

# SACHIN KUMAR SRINIVASA MURTHY

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## EDUCATION

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<b>San Jose State University, California, USA</b>	08/2022 – Present
Master of Science, Data Analytics	<u>CGPA: 3.5/4.00</u>
<b>Indian School of Business, Hyderabad, IN</b>	10/2020 – 05/2022
Pre-Doctoral Research Program	<u>CGPA: 3.5/4.00</u>
<ul style="list-style-type: none"><li>Credited relevant graduate and doctoral courses</li><li>Participating in weekly doctoral research seminars</li></ul>	
<b>Visvesvaraya Technological University, Belagavi, IN</b>	08/2016 – 06/2020
Bachelor of Engineering, Computer Science & Engineering	<u>CGPA: 8.20/10.00</u>
<ul style="list-style-type: none"><li>Engineering Mathematics (<b>16 credits</b>)</li></ul>	CGPA: 9.00/10.00
<ul style="list-style-type: none"><li>Relevant Courses on Data Science &amp; Analytics (<b>18 credits</b>)</li></ul>	CGPA: 8.22/10.00
<ul style="list-style-type: none"><li>Graduate Thesis, Seminar, and Industry Practice (<b>11 credits</b>)</li></ul>	CGPA: 10.0/10.00

## RESEARCH INTERESTS

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Data Science, Natural Language Processing, Computational Social Science, Social Media Analytics, Strategy & Leadership, Information Economics, STOS (Science, Technology, Organizations, and Society)

## PROFESSIONAL EXPERIENCE

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<b>San Jose State University</b>	San Jose, CA, USA
<i>Graduate Research Assistant- AI/ML</i>	09/2022 – Present
<ul style="list-style-type: none"><li>Research &amp; Development of cycle GAN Deep Learning model for Text style transfers (NLP, TensorFlow, PyTorch)</li></ul>	
<b>Goalist Co., Ltd.</b>	Tokyo, JP
<i>AI Product Consultant</i>	08/2021 – 05/2022
<ul style="list-style-type: none"><li>Building AI product prototypes &amp; authoring technology related blogs to increase the firm's market presence in AI</li><li>Contributing to the development of the firm's internal document search engine chatbot - HumAI</li><li>Consulting on projects involving Data Analytics and Artificial Intelligence Product Development</li></ul>	
<b>Indian School of Business</b>	Hyderabad, IN
<i>Data Science Researcher/Research Associate</i>	07/2020 – 08/2022
<ul style="list-style-type: none"><li>Responsible for the end-to-end development of four research projects which includes tasks such as literature review, data collection, cleaning, feature engineering, ML modeling, regression analysis, and paper writing.</li><li>Performed Data Scraping and created datasets like Employee reviews, Online job posts, Chess games, CEO interviews, Meetup communities, and social media datasets (Twitter, Reddit, Instagram, and Facebook)</li><li>Contributed to multiple projects at the intersection of Information Systems, and Economics such as: Online Price Index, Public Sentiment Index, Employment &amp; AI Index, and Housing Price Index by data collection, data cleaning, pre-processing, feature engineering, and built interactive visuals with power BI and Tableau</li><li>Replicated the Facebook Social Connectedness Index project by Bailey et. al. Exploring the possibilities of using this data to understand the influence of social connections on voting patterns with Prof. Deepa, &amp; Prof. Shashwat Alok</li><li>Assisted professors on their working papers by handling tasks such as dataset creation, regression analysis and CEM matching with Stata, and documenting the task outcomes for report writing.</li><li>Mentoring and managing the contributions of undergraduate research interns reporting to Professor Deepa Mani.</li></ul>	

## APPZUI Technologies Pvt., Ltd.

Bengaluru, IN

### Data Scientist Internship

01/2019 – 07/2020

- Performed Exploratory Data Analytics; built interactive visuals, trained ML models, developed CICD pipelines
- Built the proof-of-concept model and aided in the infrastructure development of the product *Data Wisdom*
- Played a pivotal role in adding to the analytics project lifecycle by conducting R&D of new analytical tools
- Leveraged APIs and developed fully integrated real-time streaming analytics pipeline for client, *HomeInspektor* • Collaborated with cross-functional teams and delivered actionable insights to stakeholders

## Printf Technologies

Bengaluru, IND

### Co-Founder

04/2019 – 09/2020

- Developed a hyper-local online marketplace to connect xerox shops with their hyperlocal customers
- Secured Incubation & funding from E-Cell, Dept of CSE, DSATM to penetrate the market with developed MVP
- Finalists of IIMB Bzz-Wings 2020; secured mentoring support at Indian Institute of Management, Bengaluru (IIMB)

## TEACHING EXPERIENCE

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### Daynanda Sagar Academy of Technology & Management, VTU

- Database Management Systems (17CS53), *Teaching Assistant* 08/2019 – 12/2020
- Operations Research (17CS653), *Teaching Assistant* 01/2020 – 05/2020

## RESEARCH IN PROGRESS

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### ○ Impact of CEO's communication styles, personality, and mindset on firm-level outcomes

*Research Areas:* Strategic Leadership in Organizations, Natural Language Processing, Image Processing

*Advisors:* Deepa Mani, Anand Ramaswamy, Sumeet Kumar *Stage:* Paper Writing

### ○ Differential impact of the COVID-19 pandemic on the male & female dominant occupations

*Research Areas:* Job Markets, Diversity & Inclusion in Workplace, Econometrics

*Advisors:* Deepa Mani *Stage:*

Data Analysis

### ○ Studying the effects of firm's culture on its employee ratings during the COVID-19 lockdown

*Research Areas:* Job Markets, Natural Language Processing, Data Science, Econometrics

*Advisors:* Deepa Mani, Sumeet Kumar *Stage:* Data Analysis

### ○ Variance in the touted diversity of fortune firms on social media postdating Black Lives Matter

*Research Areas:* Diversity & Inclusion in Workplace, Social Media Analytics, Image Processing

*Advisors:* Deepa Mani, Sumeet Kumar

*Stage:* Exploratory Data Analysis

## RESEARCH ASSISTANCE

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- Deepa Mani, Madhumitha Mohan, and Monish K, The AI Index 2021 Annual Report, SRITNE, ISB, May 2021
- Deepa Mani, Nikhil Madan, Occupational Amenability to AI and Employee Outcomes During the Covid-19 Pandemic
- Deepa Mani, Sumeet Kumar, Vandit Pamuru. Are Companies suitable for Machine Learning resilient during covid?
- Nandkumar, Deepa Mani, Saharsh, A. Growing Dominance of ICT Inventors in Production of Impactful Knowledge
- Sumeet Kumar, Vandith Pamuru, Deepa Mani. The Perils of Implicit Advertisements on YouTube for Kids

## SEMINARS, CONFERENCES & WHITE PAPERS

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- Tomar, Shekhar and Mani, Deepa and Srinivasa Murthy, Sachin Kumar, and K, Monish Housing Price Index (HPI) - Indian real estate market through the lens of HPI (May 31, 2021).

- **Sachin Kumar S, Prithvi HV, Nandini C. Seminar on Sports Analytics: predicting the winning fantasy cricket team** VTU, Seminar Report for Qualifying Undergraduate Degree in Computer Science and Engineering (Apr 2020)
- **Sachin Kumar S, Prithvi HV, Nandini C. A Survey on the Application of Data Science and Analytics in the field of Organized Sports.** IEEE Project Symposium on Literature Survey (Nov 2019)
- **Nandini, C., Sachin Kumar, S., & Laasya, R. AI Poker Agent based on Game Theory.** 1<sup>st</sup> Intl. Conference on Advanced Technologies in Intelligent Control, Environment, Computing & Communication Engineering -ICATIECE (Mar 2019)

## FELLOWSHIPS, GRANTS & AWARDS

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- Research Fellowship, Srinu Raju Center for IT and Networked Economy, ISB 2021
- Student Startup Grant Award, Dept.of.CSE, DSATM (1500\$) 2020
- Best Undergraduate Thesis Award, Dept.of.CSE, DSATM 2020
- Gold Medal for Distinguished Performance in Undergraduate Final Semester 2020

## TECHNICAL SKILLS

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- **Data Analytics:** Stata, Excel, SAS, Pandas, Dask, PySpark, Tableau, Power BI, Plotly, dash
- **Programming:** Python, Scala, R, SQL, Go, JavaScript
- **Cloud Tools:** Amazon Web Services, Azure Cognitive Services, IBM Watson, Databricks
- **Databases:** MySQL, MongoDB, Firebase, AWS S3, Azure Blob Storage
- **ML Tools:** NLTK, scikit-learn, SpaCy, Keras, TensorFlow, PyTorch, Genism, Hugging Face, openCV
- **Others:** Wharton Research Data Services, Google APIs, Bloomberg Terminal, Prowess IQ, LaTeX Overleaf

## CERTIFICATIONS

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- **CITI:** Certified Social & Behavioral Researcher
- **DataCamp:** Data Analyst with Python; Big Data with PySpark, & Machine Learning with Python Tracks
- **University of Michigan:** Leading People and Teams
- **Wharton University of Pennsylvania Online:** Business Foundations
- **Yale University:** Financial Markets
- **Stanford University SCPD:** Introduction to Innovation and Entrepreneurship
- **Startup India Learning Program, Invest India:** Entrepreneurship Foundations Certification

## SERVICES

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- **SRITNE ISB, Undergraduate Students Research Internship Program** 2021-Present  
So far, I have mentored four research interns from IIT- Kharagpur, and BITS-Pilani
- **Alumni Mentorship Program, DSATM** 2021-Present  
Actively involved in the Alumni Mentorship Program with my Alma Mater
- **Entrepreneurship Cell, DSATM** 2019- 2020  
Founding member of the E-Cell DSATM  
Organized Workshops in collaboration with *National Science & Technology Entrepreneurship Board*
- **National Service Scheme (NSS), DSATM** 2018-2019  
Actively participated in the noble cause of uplifting the lives of three villages adopted by my college  
Organized and led the computer science classes for the government high school students

## ACADEMIC REFERENCES

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### Professor Deepa Mani

Deputy Dean, Centre for Executive Education

Area Leader & Professor, Information Systems

Indian School of Business, Hyderabad

[Deepa\\_Mani@isb.edu](mailto:Deepa_Mani@isb.edu)

**Professor Sumeet Kumar**

*Assistant Professor, Information Systems*

Indian School of Business, Hyderabad

[Sumeet\\_Kumar@isb.edu](mailto:Sumeet_Kumar@isb.edu)

**Professor Anand Ramaswamy**

*Assistant Professor, Organizational Behaviour*

Indian School of Business, Hyderabad

[Anand\\_Vijayasankaran@isb.edu](mailto:Anand_Vijayasankaran@isb.edu)