

SAISH MANDAVKAR

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EDUCATION

UNIVERSITY AT BUFFALO, THE STATE UNIVERSITY OF NEW YORK

August 2022 - December 2023

Master of Science, Data Science

Current Coursework: Probability Theory for Data Science, Numerical Mathematics for Computing, Statistical Learning, Machine Learning & Big Data, Database Systems & Data Models, Investment Management, & Data Intensive Computing

UNIVERSITY OF MUMBAI, SHAH AND ANCHOR KUTCHHI ENGINEERING COLLEGE

August 2016 – June 2019

Bachelor of Engineering, Computer Engineering

SKILLS

• PROGRAMMING	R, Python, & MATLAB
• DATA STRUCTURES	Arrays, Matrices, Hash Maps, Linked Lists, Queues, Stacks, Trees
• DATA SCIENCE	Numpy, Pandas, Matplotlib, Plotly, Sklearn, Dplyr, TidyR, ggplot2, Shiny
• MACHINE LEARNING	Regression, Classification, CNN, LSTM, GAN, Ensemble & Reinforcement Learning
• CLOUD & WEB	Django, Linux, APIs, PostgreSQL, Nginx, SQLite
• TOOLS	Git, Tableau, Talend ETL, Google Collab, MS Excel, RStudio, PowerBI
• STATISTICS	Categorical Analysis, Model Selection, Dimensional Reduction, & Hypothesis Testing

EXPERIENCES

SENIOR CURRICULUM ASSOCIATE | Whitehat Jr, Mumbai, India

Mar 2020 – Aug 2022

- Developed technical learning solutions including activities, lesson plans, and summaries, revolving around computer science concepts including Native Applications, APIs, Artificial Intelligence, and Machine Learning.
- Maintained and improved course content by providing technical support and creating teacher-instructor guides for various coding platforms, improving class experience by **15%**.
- Prepared reports interpreting student class consumption and project completion using Tableau and R.

DATA ANALYST | SoftScribble, Mumbai, India

Aug 2019 – Feb 2020

- Implemented and monitored Web analytics using Matomo and studied visitor behavior.
- Created data modeling standards and protection procedures by EU's GDPR policy.
- Delivered conclusive and statistical weekly web analytics reports, aiding customer satisfaction by **10%**

DATA ANALYST INTERN | MyDigiSpace, Mumbai, India

Feb 2019 – Aug 2019

- Utilized MS-SQL, Tableau, and other visualization tool sets for data intelligence and analysis.
- Applied Google Analytics and Google Tag Manager using efficient scripts, increasing website performance by **20%**.

WEB DEVELOPER INTERN | Itz-Showtime, Mumbai, India

Mar 2016 – Mar 2017

- Increased company's efficiency by 30% by building new functionalities for the company's website.
- Implemented MVC patterns for structuring projects increasing maintainability.
- Redesigned the existing website to improve navigation and enhance visuals, boosting user experience scores by **40%**.

PROJECTS

ELECTION PREDICTION USING SOCIAL NETWORK ANALYSIS | Team Leader

- Built a system to analyze and determine the role of social media in modern elections and predict results using Twitter data, with an approximate accuracy rate of **88%**.
- Implemented a data exchange tool utilizing RESTful APIs to collect and process Twitter data for a machine learning model trained on sentiment classification algorithms TextBlob and Scikit Learn.
- Utilized the Django framework to provide real-time visualizations and analysis of poll results for effective data insights.

STUDENT FACULTY INTERACTION SYSTEM FOR ENGINEERING COLLEGES | Team Leader

- Created a web-based application that acts a medium between students and faculty to ease up the interaction between both the parties.
- Implemented the Model-View-Controller (MVC) architectural pattern for efficient and modular development.
- Utilized a database to store and retrieve information, such as student and faculty profiles and schedules.