

RIDDHI MAHESH DANGE

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EDUCATION

Stevens Institute of Technology

Master of Science in Computer Science

May 2024

CGPA 3.83/4

CodePath

Certificate in Advanced Technical Interview Preparation

Aug 2023

University of Mumbai

Bachelor of Engineering in Information Technology

Jun 2022

CGPA: 8.85/10

TECHNICAL SKILLS

- **Programming Languages:** R, Python, Java, C, C++, and SQL
- **Web Technologies:** HTML, CSS, JavaScript, NodeJS, and ReactJS
- **Databases:** MySQL, MS SQL Server, Oracle, and MongoDB
- **Other technologies & Cloud:** Git, Tableau, PowerBI, AWS, and Google Cloud Platform
- **Libraries:** Keras, Tensorflow, Flask, NumPy, Pandas, Matplotlib, Seaborn, CNN, OpenCV

PROFESSIONAL EXPERIENCE

Web Services Assistant - Stevens Institute of Technology, New Jersey

Jun 2023 – Present

- Enhanced Library website functionality, resulting in 30% increased event and workshop registration.
- Streamlining digital resource cataloging, reducing data entry errors by 30% and improving search functionality.
- Providing technical support, reducing online service-related help desk tickets by 40%.

Graduate Lab Assistant - Hanlon Financial Systems Center, New Jersey

Jun 2023 – Present

- Assisting in executing social media campaigns, achieving 20% increased online engagement and 15% website traffic growth.
- Redesigning website page with web design team, leading to 30% improved user experience and 25% reduced bounce rate.
- Contributing to implement PostgreSQL indexing techniques to optimize data retrieval.

Data Scientist Intern - Myrestica Technologies Pvt. Ltd., Vadodara

Jun 2021 – Sep 2021

- Employed Python programming and RFM K-Means clustering for precise customer segmentation, boosting sales by 20%.
- Developed predictive models to identify products associated with each customer segment, strategically managing demand & supply of the product for increased efficiency.
- Conducted exploratory data analysis on customers' behaviors to improve accuracy of predictions and boost revenue by 10%.

SELECTED PROJECTS

ProjectSolar

Jan 2023 – May 2023

- Launched user-friendly project management website, improving team collaboration by 40% and task completion efficiency.
- Implemented Agile Scrum framework, reducing time-to-market by 40% and increasing customer satisfaction by 60%.
- Utilized JIRA software to track project progress, reducing project delays by 25% and increasing on-time delivery by 15%.

College Applications

Oct 2022 – Dec 2022

- Analyzed 400-row college admission dataset, preprocessed data to remove nonlinear dependencies, reducing data size by 90%.
- Used SVR model with dimensional reduction to tighten decision boundaries by 50% and decrease error rate by 20%.
- Optimized linear regression without PCA; SVR improved with dimensional reduction for tighter decision boundaries and added features.

Predicting Agricultural Produce using Machine Learning Techniques

Jan 2021 – May 2022

- Forecasted agricultural produce, using Google Maps API & Random Forest regression algorithm with 90% accuracy.
- Utilized python programming and ML techniques on a dataset of 10K records to accurately predict crop yield in the area by 15%.
- Evaluated soil parameters and recommended most profitable crop using random forest classifier with an 80% success rate.

College Enquiry Chatbot

Aug 2021 – Nov 2021

- Improved Chatbot's accuracy by 40% using linear regression for processing user queries and extracting relevant information.
- Deployed DialogFlowJS & NodeJS as backend with API service key, enabling web application support for 100+ concurrent users.
- Optimized intelligent system performance by 70% by leveraging machine learning algorithms for precise user query predictions.

CERTIFICATIONS

- Python for Data Science, AI & Development, IBM, Coursera
- Google Cloud Ready Facilitator Program, Google Cloud, QwikLabs
- Python for Everybody, University of Michigan, Coursera
- Excel Skills for Business: Essentials, MACQUARIE University, Coursera

Jul 2023

Apr 2021

Feb 2021

Feb 2021

LEADERSHIP AND AFFILIATIONS

Member, Grace Hopper Celebration 2023, and AnitaB.org

Sep 2023

- Part of Grace Hopper Celebration 2023 at Orlando, FL.

President, Association of Budding Information Technocrats (ABIT)

Sep 2021 – Aug 2022

- Directed over 10 seminars and workshops with over 500 participants.
- Managed a team of over 100 members in creating content for the workshops and webinars: increased engagement by 15%.
- Promoted ABIT's mission through online campaigns resulting in 20+ new active members joining the committee.