

# RIDDHI MAHESH DANGE

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## EDUCATION

**Stevens Institute of Technology, Hoboken, New Jersey**

**May 2024**

*Master of Science in Computer Science*

CGPA 3.83/4

**CodePath, Remote**

**Aug 2023**

*Certificate in Advanced Technical Interview Preparation*

**University of Mumbai, Mumbai, Maharashtra, India**

**Jun 2022**

*Bachelor of Engineering in Information Technology*

CGPA: 8.85/10

Coursework: Data Structures & Algorithms, Databases, Operating Systems, Software Engineering, Agile Software Development, Software Testing & Quality Assurance, Web Development, Data Analytics, Business Intelligence, Object Oriented Programming

## TECHNICAL SKILLS

- **Programming Languages:** Python, R, Java, JavaScript, C, C++, and SQL
- **Web Technologies:** HTML, CSS, NodeJS, and ReactJS
- **Databases:** MySQL, MS SQL Server, Oracle DB, PostgreSQL, and MongoDB
- **Cloud:** Amazon Web Services (AWS) and Google Cloud Platform (GCP)
- **Libraries:** Keras, PyTorch, Tensorflow, Flask, Django, NumPy, Pandas, Matplotlib, Seaborn, CNN, and OpenCV
- **Tools:** Git, Tableau, and PowerBI

## PROFESSIONAL EXPERIENCE

**Web Services Assistant - Stevens Institute of Technology, Hoboken, New Jersey**

**Jun 2023 – Present**

- Enhanced library website functionality resulting in increased event and workshop registration by 30%.
- Provided technical support, reduced online service-related help desk tickets by 40%.
- Developed and executed test cases for library website functionality and performance, reduced page load times by 50%.

**Graduate Lab Assistant - Hanlon Financial Systems Center, Hoboken, New Jersey**

**Jun 2023 – Present**

- Collaborated with web design team to redesign website, led to 30% surge in user experience and 25% decreased bounce rate.
- Optimized data processing and delivery with PostgreSQL indexing techniques, making datasets readily available on the website.
- Managing social media campaigns, achieved 20% amplified online engagement and 15% website traffic growth.

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

**Jun 2021 – Sep 2021**

- Classified customers into segments using RFM K-Means clustering in Python.
- Built predictive models to identify best-fit products for those segments, improved projected sales by 20%.
- Evaluated customer behaviors using data analysis, refining prediction accuracy, and boosting estimated revenue by 10%.

## PROJECTS

**ProjectSolar: End to End Project Management tool**

**Jan 2023 – May 2023**

*Tech stack: Embedded JavaScript, Node-Express, MongoDB, HTML5, CSS, JIRA, Git*

- Launched a solar project management portal using HTML5 and CSS for a user-friendly interface, EJS for content rendering, Node.js with Express for backend development, and MongoDB as a NoSQL database.
- Streamlined collaboration, accelerating project deliveries by 25% and on-demand delivery times by 15%.
- Completed comprehensive testing during development which prevented post-release bug reports by 90%.

**Predicting Agricultural Produce using Machine Learning Techniques**

**Jan 2021 – May 2022**

*Tech stack: Python, NodeJS, Embedded JavaScript, MongoDB, HTML5, CSS, Random Forest Algorithm, NumPy, Pandas*

- Built a web app that integrates Google Maps API and random forest regressor to predict crop yields with 90% accuracy.
- Implemented crop recommendation system that evaluated soil parameters to predict most profitable crop with 80% accuracy.

**College Enquiry Chatbot**

**Aug 2021 – Nov 2021**

*Tech stack: Flask, NodeJS, Dialogflow, SQLite, HTML5, CSS, JavaScript, Android Studio, Natural Language Processing (NLP)*

- Developed cross-platform college chatbot with Dialogflow NLP, elevating user experience with real-time, precise information.
- Deployed DialogFlowJS & NodeJS as backend with API service key, scaling web application support for 1000+ concurrent users.
- Formulated a test plan to assess accuracy, performance, and scalability, which resulted in 10-second response time.

## CERTIFICATIONS

- AWS Certified Cloud Practitioner Certification
- Introduction to Computer Science, Harvard, edX
- Python for Data Science, AI & Development, IBM, Coursera
- Google Cloud Ready Facilitator Program, Google Cloud, QwikLabs

**Pursuing**

**Dec 2023**

**Jul 2023**

**Apr 2021**

## LEADERSHIP AND AFFILIATIONS

**Member, Grace Hopper Celebration 2023 and AnitaB.org**

**Sep 2023**

- Actively participated in discussions on women in tech, innovation, and leadership at Grace Hopper Celebration 2023.

**President, Association of Budding Information Technocrats (ABIT)**

**Sep 2021 – Aug 2022**

- Mentored and led a team of over 100 members to conduct technical events with 500+ participants – a 15% YoY growth.