SAHIL MAHENDRA MODY

(551) 234-7138 | smody@stevens.edu | Portfolio | LinkedIn | GitHub | Tableau | Jersey City, NJ 07307

EDUCATION

Stevens Institute of Technology, Hoboken, New Jersey   Expected: May 2023
Master of Science in Computer Science   **(GPA: 3.83/4)**
Honours: Master's Scholarship Award

Thadomal Shahani Engineering College, Mumbai, India   June 2021
Bachelor of Engineering in Information Technology   **(CGPA: 8.55/10)**

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, SQL, Java, R
- **Web Technologies:** Node.js, Express.js, ReactJS, Django, Flask, Spring Boot, HTML, CSS, Postman, Rest APIs, JSON
- **Cloud and Databases:** MySQL, PostgreSQL, GraphQL, MongoDB, Firebase, AWS
- **Software & Tools:** Git, MS Excel, Tableau, Power BI, Docker, Visual Studio, Arduino IDE

PROFESSIONAL EXPERIENCE

VTeamLabs, Redmond, WA – Software Development Intern   September 2022 – December 2022
- Implemented **2** features for the OpenEdX course with over **500** students enrolled, using Python, Django, and JavaScript incrementing **35%** online learning engagement
- Optimized the existing codebase by refactoring components to uplift performance, applying Agile methodologies and Git which boosted **20%** website performance
- Assisted in remodeling a web-based student assessment system which automated the grading process and reduced manual effort by **40%**
- Collaborated with business analysts to understand customer needs and develop innovative solutions to enhance customer engagement and satisfaction

Trivia Software, Mumbai, India - Software Development Intern   December 2019 – February 2020
- Led a team of **3** and designed an engaging Student Management System applying Tkinter, and worked on Oracle Database to administer database operations on student details
- Scrapped data from multiple sources adopting APIs and Python libraries such as requests and Beautifulsoup4
- Improved **8%** system performance by working with the testing team to refine the debugging process

ACADEMIC PROJECTS

ShareSmiles – *Node.js, Express.js, React.js, Firebase, MongoDB* (Repository)   March 2023
- Developed a social media website using Node.js, Express.js, and React.js, allowing users to create accounts, post over **100** memories, and engage with other user's memories
- Used React with Redux to create an interactive user interface and built REST API to facilitate communication between the front-end and back-end which escalated **40%** of user experience
- Built user authentication system using JSON Web Token (JWT) and integrated MongoDB with the backend to store user data, comments, and liked posts

Boston House Prediction – *Python, Machine Learning, Flask, Postman, Docker, GIT* (Repository)   February 2023
- Developed a Linear Regression Model to predict housing prices in the Boston area based on **13** criteria using Python's Scikit-learn library and visualized the predictions and residuals to assess model performance
- Implemented a Flask web application to provide a responsive user interface to allow users to submit requests for real-time housing price predictions which improved **60%** user experience
- Utilized Docker to build and deploy the model and used version control (GIT) to track changes to the codebase

Courshaala – *Node.js, MongoDB, Express.js, AJAX, Handlebars, JavaScript, HTML, CSS*   May 2022
- Led a team of **5** members in developing an online learning platform that enabled users to find courses quickly and with ease, resulting in a **15%** boost in course registrations
- Increased **20%** student retention through course recommendations based on student interests
- Enhanced **9%** performance through manual testing to analyze possible bugs and resolve identified issues

PUBLICATIONS AND CERTIFICATIONS

- Authored and published a paper on Sentimental Analysis on USA Election Slogans in International Journal of Engineering Research and Applications in (Series-IV) in September 2020, Volume 10, Issue 9, ISSN: 2248-962
- **Certificates:** Introduction to Data Science using Python by University of Michigan, Python with Data Science