Tahmidur Rabb

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EDUCATION

New York University, Tandon School of Engineering, New York, NY　　　　　**Expected graduation:December 2023**
Bachelor of Science, Computer Engineering
Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming Artificial Intelligence, Software Engineering

EXPERIENCE

Software Engineering Intern/IT Support Specialist　　　　　　　　**July 2022 - February 2023**
New York University, New York
- Developed a Python data visualization script for inventory tracking of **500+** equipment using Python3, Pandas, and Google Forms/Sheets API, reducing time constraints and maximizing team efficiency by **15%**
- Administered network domains for **5+** buildings, fostering a **35%** increase in network coverage for over **500+** clients
- Utilized scripting commands and Windows/MacOS programs to repair client's software components and ServiceLink to manage and coordinate **50+** daily tickets

Software Engineering Intern　　　　　　　　　　　　　　　**December 2021-February 2022**
Dominion Capital, New York, NY
- Integrated Docker, PHP, and JavaScript to optimize **5+** scalable web applications under a CI/CD pipeline, leading to a **15%** increase in project development efficiency
- Used PHP to configure backend routes using data from Adminer, and JavaScript to refactor static web applications into fully functional applications
- Tested automation scripts using Gulp.js and Webpack.js to deploy and rendered projects for production using Docker

Project Lead/Software Engineer Intern　　　　　　　　　　　**June 2021-August 2021**
STEM-Away, New York, NY
- Developed a photo gallery plugin on Discourse environment while leading a team of 5 interns operating in Agile scrum, which resulted in a **30%** increase in efficiency
- Utilized Ruby and AngularJS to implement a robust functionality that formats over **150** inputted images entered by user in a grid layout
- Used Dynatrace and GTmetrix to optimize application to handle **500+** requests per minute, speeding up user requests by **30%** and input size by **10%**

SOFTWARE ENGINEERING PROJECTS

Full Stack Developer | PoetLands | MongoDB | React.js | Node.js | Express.js | JWT | CORS　　**September 2023-Present**
- Architected a scalable full stack application enabling over **150** users to create accounts and share their published poems
- Utilized ReactJS and React DOM router to build modular, functional React components, Express/NodeJS to create and handle backend routing and MongoDB to store and retrieve data schemas
- Integrated bcrypt for password hashing and JWT and CORS for user authentication, increasing app security by **30%**

Full Stack Developer | AI Career Chatbot | Next.js | Tailwind CSS | OpenAI | Vercel　　**September 2023-Present**
- Engineered and and deployed AI career chatbot that provides personalized career recommendations by analyzing user input and generating responsive answers using the OpenAI System and Vercel
- Used Next.js and Tailwind CSS to develop client-facing webpage and integrated OpenAI API to automate responses based on pre-trained modeling, resulting in faster response times by **200ms**

Full Stack Developer| Airline Ticket Reservation System | Python Flask | SQL | React.js | HTML5/CSS3　　**September 2023**
- Developed a FullStack web application that allows **200+** users to book or create flight reservations
- Restructured application to support two user types(staff/customer) with session management and SQL entities, resulting in a **35%** improvement in app functionality and capability
- Constructed and deployed an SQL database schema using Figma and MAMP server to enable queries and mutations
- Programmed backend endpoints using Python Flask and pymysql, to facilitate queried data from SQL database and simulate HTTP requests in the React.js application
- Implemented bcrypt for password hashing, ameliorating login authentication and improving users' security by **40%**

TECHNOLOGIES

Programming Languages: Python3, JavaScript ES6, Java, C++, C, C#, SQL, Swift

Front End: React.js, Vue.js**,** Angular, TypeScript, Tailwind, Redux, Bootstrap, HTML5/CSS3

Back End: Node.js, Express.js, Flask/Django, MongoDB, GCP, AWS(Lamda, Nex, EC2, S3), Docker, Heroku, SpringBoot

Developer Tools: Git, npm, yarn, pip3, Webpack, Gulp.js, Babel, Agile Methodology, Jira, Trello, Postman, VSCode