

Tahmidur Rabb

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EDUCATION

New York University, Tandon School of Engineering, New York, NY

Sept 2018 - May 2023

Bachelor of Science, Computer Engineering,

- *Relevant Coursework:* Artificial Intelligence, Software Engineering, Data Science, Implementation of Databases, Object Oriented Programming, Data Structures and Algorithms

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Java, C++, C, C#, SQL, R, Swift, Go, Rust

Frontend tools/frameworks: HTML/CSS, React.js, Vue.js, Webpack.js, TypeScript, Bootstrap, jQuery, Wordpress

Backend tools/frameworks: Node.js, Express.js, Flask, Django, Ruby on Rails, Laravel, Spring Boot, Asp.NET

Cloud Platforms: GCP, AWS, MongoDB, Microsoft Azure, Heroku, Docker, MAMP

EXPERIENCE

IT Technician, NYU Enrollment Management Technology, New York, NY

July 2022 - Present

- Managed ServiceLink ticketing and Bomgar Remote to provide technical support for over 400 employees from various NYU departments/buildings, increasing clients' productivity by 30%
- Utilized terminal commands and Windows/MacOS programs to assist with repairing software components on client's computers, improving computers' health and performance by 20%
- Leveraged network management and configuration by creating domain users, assigning internet to printers/scanners, and mapping clients' drive to available network drives
- Oversaw desktop/laptop distribution protocol for over 500 employees and developed Python data visualization project for inventory tracking using Pandas and Excel.

Software Engineering Intern, Dominion Capital, New York, NY

Winter 2021

- Integrated Docker and WordPress themes to optimize 5+ scalable web applications with process automation and test-driven development to speed up performance by 15%
- Wrote unit tests to ensure application compatibility and utilized Adminer for maintenance of SQL database
- Worked with PHP to configure web backends and JavaScript to execute a dynamic frontend design
- Used Gulp.js and Webpack.js to automate deployment tasks and render projects for production, and ensuring successful migration of data between platforms

Project Lead/Software Engineer Intern, STEM-Away, New York, NY

Summer 2021

- Developed gallery plugin on Discourse environment that formats images entered by the user into a gallery template
- Utilized Ruby to handle backend requests and Angular.JS to provide an aesthetic user interface and run an image upload functionality to format over 150 images in a grid layout
- Effectively delegated tasks to 6 team members and led weekly meetings to ensure project timelines and communication
- Optimized application to handle 500+ requests per minute, speeding up user requests by 30% and input size by 10%

PROJECTS

Project Lead/Full Stack Developer, Airline Ticket Reservation System

Fall 2022

- Architected a Full Stack web application that allows users to book or create flight reservations, by sending POST/GET requests through the backend using Python and Flask and routing the requests through the React frontend template
- Spearheaded a team of 4 and delegated tasks to each team member effectively by holding weekly scrum meetings, increasing teammates' productivity.
- Designed SQL database using MySQL that efficiently handled information for 150+ different users
- Ameliorated login authentication and security by integrating password hashing functionality for user's credentials
- Restructured application components by removing duplication and simplifying complex code to improve runtime and scalability of web application by 30%

AI/Machine Learning Engineer, Amazon Image Recognition Tool

Fall 2021

- Utilized AWS Lambda and S3 tools to develop an image recognition tool that analyzes inputted image and returns characteristics based on machine learning and pattern recognition techniques
- Optimized algorithm to speed up the image processing time by 25%, improving efficiency and maintainability by refactoring JSON data
- Integrated S3 bucket for image scalability and Boto3 module to allow Python access to AWS cloud server