

Rohan Yogananda

✉ rohangowdahy@gmail.com ☎ 6176859593 📍 Jersey city, NJ

Education

Master of Science in Computer Science, *Stevens Institute of Technology* 08/2022 – 05/2024 | Hoboken, US
Relevant Coursework: Databases, Advanced Algorithms, Cybersecurity, Linear Algebra w/Computational Applications (Python)
CGPA: 3.9

Bachelor of technology in Electronics and communication Engineering, *PES University* 09/2017 – 05/2021 | Bengaluru, India

Skills

Languages: Python, JavaScript, HTML, CSS, SQL, Java

Databases: PostgreSQL, MySQL, Elasticsearch, MongoDB

Tools & Frameworks: AWS, Docker, Kubernetes, React.js, Django, FastAPI, Linux, JUnit, Flask, Node.js, Git, REST API

Professional Experience

Associate Software Engineer, *Mphasis* 06/2021 – 05/2022

- **PNR Synchro:** Developed REST API for bi-directional CRUD synchronization between Amadeus and Railway provider databases in C++, with comprehensive unit and integration testing.
- **Train Tickets:** Implemented Train Tickets feature to populate PDFs with pertinent booking details, contributing to an additional 3% in revenue for the Rail team and earning the best project recognition.
- **Client Maintenance Team:** Efficiently completed over 30 incident resolution requests on behalf of the client maintenance team within a specified timescale, diminishing their support ticket backlog by 25%.

Software Engineer Intern, *Mphasis* 01/2021 – 05/2021

- **Air-Rail Integration:** Utilized Google Maps API and data science expertise to optimize a Random Forest model, achieving 92% accuracy in forecasting multiple flight train routes, reducing manual work by 70%
- **Web Application:** Collaborated with an intern to develop a React-based web app with automated testing capabilities using Selenium, showcasing accurate flight train predictions.

Software Engineer Intern, *Samsung Research Institute* 06/2020 – 08/2020

- **Static Analyzer Output Validator:** Constructed an output validator in JavaScript and Node.js, comparing the JSON output file with the expected result for the static analyzer module.
- **Design and implementation of offloading scheduler:** Created an Offloading Scheduler that significantly contributes to achieving low latency by efficiently offloading functions

Projects

Cloud Clicker Web Application, *(Python, Flask, SQLite, JWT, HTML, CSS, JavaScript, Chart.js, GitHub Actions, Docker, AWS)*
Developed a click-tracking app with JWT authentication, RESTful APIs, and a real-time dashboard; deployed on AWS.

Inventory Manager, *(Python, Flask, SQLAlchemy, WTForms)*
Built an inventory management system simulating warehouse operations with product and location management, using Flask for the back-end and SQLAlchemy for database management.

Search Engine Implementation, *(Python)*
Designed a search engine indexing HTML files with a trie; implemented search functionality returning HTML links containing the searched word

General Game Playing Using Monte-Carlo Tree Search, *(node.js)*
Implemented Monte Carlo Tree Search in Node.js for Connect Four, optimizing game strategy through simulations.