ROHIT CHAND

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EDUCATION

Carnegie Mellon University Spring 2024
B.S. Electrical and Computer Engineering
Major GPA: 4.0/4.0

Coursework: Computer Systems, Principles of Imperative Computation, Fundamentals of Programming and Computer Science, Electronic Devices and Analog Circuits, Introduction to Electrical and Computer Engineering

Planned Coursework: Parallel Computer Architecture and Programming, Embedded Systems, Machine Learning

SKILLS

PROGRAMMING LANGUAGES: Python, C, Java, HTML, CSS, SQL, LaTeX, MATLAB
TOOLS/FRAMEWORKS: GraphQL, Unix, Jira, Git, Docker, MongoDB

EMPLOYMENT

PayIt May 2022 to Sept. 2022
Software Engineering Intern Kansas City, Missouri

- Designed and implemented GraphQL types and resolvers to provide data upstream in multiple micro-services.
- Migrated several both static and dynamic GraphQL schemas from depreciated repos to new Java services.
- Maintained and updated unit and integration tests for both GraphQL and lib level for behavior validation.
- Created multiple custom scalar types (i.e. Date, DateTime, Money) to be configurable with past schemas.

T-Mobile June 2021 to Aug. 2021
Software Engineering Intern Overland Park, KS

- Utilized API calls and Angular framework to create an error catching method for a personalized user experience.
- Improved UI through new verbiage, style, padding, and fonts to flow with error catching system for clarity.

MIT Lincoln Laboratory June 2020 to Aug. 2020
Research Intern Lexington, MA

- Designed and tested algorithm for broadcasting and interpreting data from two decentralized devices at a time to estimate distance from RSSI values while in various temperature, pressure, humidity and wind speed conditions.
- Collaborated with mentors and students to analyze data and findings to attempt to construct an algorithm for contact tracing with mobile devices.

AWARDS

USA Computing Olympiad Gold Division

Kansas Governor's Scholar

Academic Achievement Scholarship India Association of KC

PROJECTS

Automated Calendar/Task Scheduler Nov. 2021 to Dec. 2021

- Built a GUI application using Python-Tkinter to display calendar events and auto schedules to-do tasks.
- Uses backtracking to optimally place to-do tasks into the calendar considering priority, availability, and rest-time.

Meteorological Factors on Contact Tracing Aug. 2020 to May 2021

- Deployed a Python-based Raspberry Pi data collection center to gather Bluetooth signals between devices.
- Used Pandas, Matplotlib, NumPy, and SciPy to extract data, create data tables and scatter plots, and produce a correlation analysis between the change of factors to the strength of the produced Bluetooth signal.