SURYAANSH RATHINAM

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EDUCATION

BTech, Computer Science Engineering, Manipal Institute of Technology, Manipal, India   2020-2024
Relevant Coursework: Operating Systems, Computer Networks, Software Engineerimgs, Data Structures, Algorithms,
Database Systems   CGPA: 9.43

SKILLS

Programming Languages	Python, C, C++, Java, Javascript, Typescript, React, Node
Database Systems	MongoDB, MySQL, Redis, Postgres
Other Technologies	AWS, Firebase, Git, Docker, Selenium, Django, NestJS, FastAPI

EXPERIENCE

Research Intern   Jun 2023 - Aug 2023
Indian Institute of Technology, Kharagpur   *Remote*

- Developed a U-Net deep learning model for image segmentation using a dataset of medical ultrasound images, after cleaning and pre-processing it.
- Obtained a testing accuracy of 99.29% and presented my results for the project.

Full Stack Developer   Mar 2023 - Present
Moneyflo   *Remote*

- Built an AI chatbot assistant backed on OpenAI and integrated it with the existing platform to allow clients to gain better insights on their data.
- Utilized with NextJS, Firebase on client side and used NestJS, FastAPI to make endpoints for the application and AWS S3, Lamba and EC2 were used, to store and process large quantities of client data
- Provided clients with insights regarding their Ecommerce sales, allowing them to make informed decisions.

Software Engineering Intern   May 2022 - Aug 2022
Ridecell   *Remote*

- Worked as a part of the QA and automation team working on both API and Mobile Testing.
- Worked primarily using Python, Selenium, Pytest, and Appium to ensure smooth functioning of the API endpoints and Mobile App.

PROJECTS

PsychUp. Led a team of four in building a MERN Stack Platform to boost mental health awareness, focusing on efficient REST API endpoints, intuitive UI, and incorporating a comprehensive Myers Briggs Type Indicator-based Personality Assessment Test. (Try it here)

Web Scraping and Automation Tool Built a tool using Selenium and Python to automate the process of data collection and formatting from the university portal, earlier done manually by professors across the university.

Revels 2023 Led a 10-member team in developing a MERN stack web app for the institute's cultural fest, serving 8000+ users with registration, participation, scoring, judging, and ticketing features.

EXTRA-CURRICULAR AND LEADERSHIP ACTIVITIES

- Led university's Open-Source Society as Technical Head, orchestrating technical initiatives, organizing events to promote awareness regarding open-source, and mentoring junior members to enhance skill sets.
- Shortlisted for Stanford University's prestigious Treehacks hackathon.