Manas Dange

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Summary

Highly motivated Software Development Engineer. A problem solver by nature, who loves brainstorming and coming up with reliable full stack solutions. Also loves finding patterns in data and building prediction models, one Jupyter notebook at a time.

Work Experience

Software Engineer, Intern   **GE Healthcare**   Jan 2020 – Jul 2020
- Successfully designed and implemented a web based service to support operations of critical care central stations using Angular-Express-Node.
- Deployed and tested application-layer security on simulated hospital networks.
- Conducted sessions on Python automation techniques to speed up day-to-day tasks of other employees.

Software Engineer, Intern   **Aidable Health**   May 2018 – Jun 2018
- Developed a REST API for 'MomIQ' mobile app prototype that helped the startup receive a major funding.
- Developed and presented investor decks.

Education

B. Tech. - Information Technology   **Vellore Institute of Technology**   2016 – 2020
- CGPA: 8.38
- Co-curricular: Project Head & Social Media Manager at Ayuda NGO. Ayuda NGO strives to bring overall welfare of unprivileged orphans in and around Vellore.
- Swimming, Athletics.

Class XII, 82%   **Sapphire School, Ratlam**   2016

Class X, 9.2 GPA   **St Joseph's Convent, Ratlam**   2014

Skills

- **Languages:** Python, C++, JavaScript, Java, GoLang

- **Frontend:** HTML, CSS, Angular, React

- **Backend:** REST, NodeJS, Django, WebSockets

- **Databases:** MongoDB, MySQL, GraphQL

- **Misc:** Data Structures and Algorithms, Databases, Operation Systems, Computer Networks, Machine Learning, Agile

Certifications

- Python Certification from HackerRank

- Deep Learning Specialization from deeplearning.ai

- Data Structures and Algorithms Specialization from UC San Diego

- User Interface Design and Development from University of Minnesota

Awards and Recognitions

- GVSDP Merit Scholarship: Received a merit scholarship from VIT for continuous academic excellence during my entire UG tenure.
- Rated 5 star coder on HackerRank
- Pratibha Samman: Received an award from District Collector for outstanding performance in Class 12 and entrance examinations.

Projects

Secure Crowdfunding through Blockchain
- A web app that allows patrons to browse various crowdfunding campaigns and donate to their desired ones and call vote on how the money should be spent.
- This project was built to solve the existing problems of 'Kickstarter', where scams are a common occurrence.
- *Tech stack: Ethereum, Solidity, JavaScript, ReactJS.*

Realtime Chat Application with channels
- A web app that allows users to interact with people who share common interests, both in a common chatroom or privately.
- Mimics the functionality of Slack/Discord but with a cleaner and intuitive UI.
- *Tech Stack: ReactJS, Firebase. Deployed here*

Home Automation System
- A simulation of an IoT automated home system using CISCO's Packet Tracer.

Medical Consultancy Application
- A web based platform for doctors to ask, answer and discuss questions; writing blogs; collaborating research with other doctors.
- *Tech Stack: HTML, PHP, MySQL.*

Music Recommendation Engine
- Allows user to import their Spotify playlist and recommend them music they might like from a pre-trained KNN Classifier.
- Ongoing task: Users would be able to tune their desired attributes eg tempo, dancibility etc in their recommendations.

A Microservice Architecture based events booking app (Ongoing).

Interests

Competitive Programming, Data Science, Blockchain, Finance, Athletics, Reading, World Cinema