Diya Sanghvi
(Software Engineer)
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Personal Summary

Motivated software engineer with hands-on experience in full-stack development and a strong foundation in software engineering. Seeking a role to apply my technical skills, contribute to innovative projects using React, and grow within a dynamic team.

Education

Stevens Institute of Technology   Hoboken, NJ
MS in Software Engineering   05/2024
   Coursework: Software Testing, Agile Methodology, Cost Estimation, Requirement Engineering, Software Architecture

Gujarat Technological University   Ahmedabad, India
BE in Information and Communication Technology (GPA 3.7)   07/2021

Skills

Programming Languages: Python, Java, C++, MySQL, Dart, C
Web Development: HTML, CSS, JavaScript, SCSS, Bootstrap, React.Js, Next.Js, Typescript, Tailwind CSS, JSON
Frameworks: Flask, Flutter, Scrum

Digital Tools & Platforms: MS Office (Word, Excel, PowerPoint), Git, JIRA, Confluence, Android Studio,VS Code AWS (basic)
OS: Windows, Linux
Methodology: Agile

Experience

Power Changes Lives, Inc
Web Developer Intern   07/2024 – present
- Working as front-end web developer intern and assist team members in developing and maintaining website for Lava Love program.
- Learning and using new technologies like Next.js, Typescript and Tailwind CSS to create webpages and new features

Projects

Presurgical Epilepsy Evaluation Platform   02/2024 – 05/2024
Python Flask framework, HTML, CSS, MySQL, EEG/MEG Data Processing
- Spearheaded on 4 member UI development initiative to design a web application that increased the accuracy and speed of epilepsy site detection in the brain by 30% directly improving doctor's diagnostic capabilities.
- Utilized flask framework for front-end and MySQL for backend along with MNE (python library) / Brain Browser (JavaScript library) for real-time 3D visualization and used agile methodology for team management.

Secure MRTD Testing System   09/2023 –12/2023
Python, GitHub, Software Testing
- Collaborated in a team of five and developed a robust system for machine-readable travel documents (MRTDs) with a focus on global interoperability and secure data verification
- Implemented a method to interact with a hardware device scanner, allowing seamless retrieval of MRTD information and performed various kinds of testing like automated testing, code review etc.

Movie Ticket Booking System   09/2023 – 12/2023
Python, HTML, CSS, Flask framework, MySQL
- Created an easy-to-use website with distinct interfaces for managers and cashiers and made product features like movie addition, scheduling, ticket booking, dynamic pricing etc.
- Utilized HTML and CSS to enhance the front-end and implemented MySQL for the backend, all powered by the Python Flask framework.

Solar Project Management Tool – Altice USA   01/2023 – 05/2023
Next.Js, Typescript, MySQL, AWS
- Played an integral role in a 5-member team at Altice USA, developing an advanced prototype for Solar Project Management. Contributed to key features like solar panel booking, service scheduling, and energy usage monitoring, enhancing system efficiency and user experience.
- Utilized Next.Js and TypeScript for front-end and back-end and Jira for task management along with Swagger for API generation. AWS was used to manage the backend of the application

Certifications

- Responsive Web Development from Free Code Camp (Feb 2021)
- Learning AWS for Developers from LinkedIn Learning (August 2024)