

Diya Sanghvi

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Summary

Software Engineer with experience in Python, Java, and React.js, skilled in building scalable applications and improving front-end performance. Familiar with object-oriented programming and optimization techniques, with a strong foundation in Agile methodologies and a growth-oriented mindset

Education

Stevens Institute of Technology

Sep. 2022 – May 2024

MS in Software Engineering (GPA: 3.4)

Hoboken, NJ

- Coursework: Software Testing, Agile Methodology, Software Architecture, Requirements Engineering, Cost Estimation, Python Programming

Gujarat Technological University

Aug. 2017 – Jul. 2021

BE in Information and Communication Technology (GPA: 3.7)

Ahmedabad, India

- Coursework: DBMS, DSA, Web Development, C++, Java, Software Engineering

Skills

Languages Java, Python, C/C++, C#, SQL, Dart, Flutter

Web Development HTML/CSS, JavaScript/TypeScript, React.js, Next.js, Node.js

Developer Tools Git, Docker, AWS, VS Code, JIRA, Confluence, Android Studio, Chrome dev tools(basic knowledge)

Database MySQL, SQLite, MongoDB, Django

Optimization Basics: Familiar with linear programming concepts and query optimization techniques.

Experience

BillCare.ai

Oct 2024 – Present

Full Stack Developer

- Developing scalable and secure web interfaces using React.js, NextUI, and Tailwind CSS for a healthcare platform.
- Implementing authentication features and integrating RESTful APIs to enhance application security and functionality.
- Collaborating with cross-functional teams to optimize workflows and support seamless patient expense management via FHIR-standard interoperability.
- Conducting performance tests and optimizing front-end code to improve load times by 15%.

Krutanic Solutions

Oct 2024 – Dec 2024

Full-Stack Web Developer Intern

- Developed a MERN stack application, focusing on accessibility and scalable database design.
- Designed user workflows with stateful prioritization features, enhancing usability and efficiency.
- Improved database queries to reduce response times by 15%, ensuring smoother application performance.

Power Changes Lives Inc.

Sep 2024 – Oct 2024

Web Developer Intern

- Built responsive web pages using Next.js, TypeScript, and Tailwind CSS, ensuring accessibility compliance.
- Added and tested new features, improving the platform's user experience.
- Collaborated with designers and developers to deliver user-friendly web solutions.

Projects

Presurgical Epilepsy Platform

Jan 2024 – May 2024

Python, HTML, CSS, JavaScript, Flask, MNE Python

- Created a Python Flask-based healthcare platform to process EEG/MEG data, improving diagnostic efficiency by 30%.
- Enhanced system performance by optimizing database queries, reducing response times by 10%.
- Designed an intuitive front-end interface with HTML, CSS, and JavaScript, focusing on usability and compliance with accessibility standards.

Movie Ticket Booking

Sep 2023 - Dec 2023

Python, HTML, CSS, Flask framework, MySQL

- Built an intuitive website with two user roles (managers and cashiers), enabling efficient management of over 50+ movies through features like addition, scheduling, ticket booking, and dynamic pricing, improving user productivity by 25%.
- Optimized the front-end using HTML and CSS for a seamless user experience, managed 100+ database entries using MySQL, and developed the backend using the Python Flask framework for reliable performance..

Contact Book Application

Jan 2023 – May 2023

Flutter, Dart, SQLite, Android Studio

Altice USA

- Developed a full-stack contact book application for Android using Flutter and Dart, incorporating features like a QR code converter to enhance functionality.
- Designed a SQLite database for efficient contact management, supporting add, delete, and update operations, with development done on Android Studio.

Certifications

Getting Started with Amazon Location Service - AWS

Dec 2024

Getting Started with Q Developer - AWS

Dec 2024

Fundamentals of AWS for Developers - LinkedIn Learning

Aug 2024