Rutvi Rathod

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Technical Skills

Languages : JavaScript, Java, python
Framework : Springboot, Langchain, Flask, Django
Database : PostgreSQL, MongoDB, Pinecone
Cloud : Microsoft Azure, AWS, Docker, Kubernetes
Front end : React, HTML, CSS
Backend : NodeJs, Fast API, RestAPI, GQl
Developer Tools: Visual Studio Code, Jupyter Notebook, Tableau, PyCharm, Git, Agentic AI, MCP server

Education

Chhotubhai Gopalbhai Patel Institute of Technology
June 2020 - May 2024
Bachelor of Science in Software Engineering
Surat, Gujarat

Experience

Software Engineer
July 2025 - Present
Freelance

AI-Powered Document Q&A System *(Jun 2025 – Present)*
- *Tech Stack: Python, LangChain, OpenAI API, Pinecone, FastAPI, Asyncio, Docker, CI/CD, Pytest*
- Developed and deployed an AI-driven document Q&A platform enabling natural language queries on large-scale data. Integrated LangChain with OpenAI embeddings and Pinecone for context-aware retrieval.
- Optimized retrieval pipeline for scalability and sub-second response time.
- Designed modular backend architecture for easy integration and future LLM upgrades.
- *Impact:* Built and deployed an AI-powered document Q&A system using Python, LangChain, OpenAI, and Pinecone; optimized async pipelines to cut latency by 70% and ensured reliability with CI/CD and automated testing.

Digital Business Card App *(Sep 2025 – Oct 2025)*
- Tech stack: React, Next.js, FastAPI, PostgreSQL, Redis, Docker.
- Created a full-stack web application for digital business cards with real-time profile sharing via QR code
- Implemented user authentication, photo upload, and QR-based profile sharing.
- Designed a responsive, mobile-first UI with customizable themes and secure backend APIs.

Software Engineering Intern
Dec 2023 - June 2024
Ridaro Inc

- Developed and maintained scalable web applications using Java (Spring Boot) for backend services and React for frontend interfaces, enhancing application reliability, performance, and user experience.
- Designed and implemented RESTful APIs, integrating with React front-end applications for real-time user interactions.
- Built secure authentication systems featuring OTP verification and face recognition, enhancing user security and simplifying login processes.

Projects

Attendance System Using Face Recognition

Dec 2023 - June 2024
Tech Stack: Springboot, Python, Django, FastAPI, PostgreSQL, AWS
- Developed an innovative face recognition-based attendance system leveraging Python libraries for facial data processing and analysis.
- Built real-time APIs using FastAPI to enable high-performance facial recognition and seamless data handling.
- Designed secure user authentication workflows and face enrollment processes to ensure accurate and reliable attendance tracking.
- Integrated the system with external cameras and devices, enabling real-time attendance monitoring across multiple locations.
- Optimized the application for scalability, supporting concurrent user operations and large-scale data storage using PostgreSQL and AWS services.
- *Impact:* Delivered a cutting-edge attendance solution that enhances operational efficiency and eliminates manual errors. The system provides organizations with a scalable, secure, and automated method for tracking attendance, reducing administrative workload, and improving accuracy.

Wedding App

June 2024 - Sep 2024
Tech Stack: Spring Boot, React, Node.js, HTML, CSS, AWS, Docker
- Developed a responsive web application for wedding planning, featuring guest list management, event scheduling, and dynamic itineraries.
- Designed and implemented a photo and video gallery module allowing users to upload, organize, and manage media by event/function.
- Enabled advanced media functionalities, including downloading, rotating, zooming, sharing, and marking items as favorites.
- Built secure server-side functionalities and RESTful APIs for efficient data management and user authentication.
- Deployed the application on AWS using Docker for scalability, reliability, and seamless performance
- *Impact:* Delivered a versatile platform that simplifies wedding planning, offering users an intuitive and feature-rich solution to effectively manage their events and media.