ASHISH DABRAL

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MCA | *Full Stack* | *AI* | *AWS* | *C++* | *Python* | *ReactJs* | *Fresher* | *8.0 CGPA*

INTRODUCTION

Freshly graduated Full Stack Developer with a strong foundation in React.js, Express.js, and TypeScript. Proficient in PostgreSQL and Docker, with a keen interest in building scalable, secure, and user-friendly web applications. Passionate about learning new technologies and applying best practices to develop efficient and maintainable solutions. Eager to contribute and grow in a dynamic development environment. Currently fascinated by AI, with a focus on continuously exploring and learning about Generative AI.

Experience

Rapidcode Technologies Private Limited   06/2024-12/2024
FullStack developer intern

- Collaborated with the development team to build and test RESTful APIs using **Node.js** and **Express** for client-facing applications.
- Contributed to the front-end by creating reusable **React** components and improving UI features based on internal user feedback.
- Learned how to containerise applications using Docker and understood the basics of setting up CI/CD pipelines for smooth deployment.
- Integrated third-party APIs and implemented basic error handling to improve user experience.
- Attended internal DevOps training sessions, gaining exposure to AWS, cloud architecture, and Infrastructure-as-Code (IaC) practices.

Freelance project   05/2025-05/2025
AI chatbot

- Added an AI chatbot to the client's website, enabling users to ask questions about the site.
- Implemented Retrieval Augmented Generation (RAG) to deliver more tailored information while retaining context, aligning with the client's requirements.
- Utilised LangGraph to develop the RAG pipeline, web scraping to gather information, and QdrantDB as a vector database. The chatbot uses this context to address user inquiries.
- Included a web search capability through tool calling, allowing the chatbot to search the internet for information to answer user questions.
- Integrated the entire workflow into a new chat component and added it to the homepage for the client.

PERSONAL PROJECTS

Mini-cursor AI agent | Github | Live   *04/2025 - 04/2025*

- Built a terminal-based AI agent to assist with full-stack project development through contextual understanding of project files.
- Enabled command-line interactions for smooth iterative workflows, including project initialisation, feature scaffolding, and dependency management.
- Implemented intelligent follow-up prompts and automatic execution of install/build commands, simulating an AI coding assistant.

AI Persona Chat Bot | Github | Live   *03/2025 - 03/2025*

- Developed a conversational AI chatbot emulating Hitesh Choudhary (ChaiAurCode), a popular YouTuber.
- Written a custom prompt to accurately replicate Hitesh's tone, style, and expertise using the Google Gemini LLM.
- Designed a user interface using Streamlit, enabling a seamless user experience for chatbot interaction.

Thoughtify | Github | Live   *04/2024 - 06/2024*

- Developed a full-stack X-like social media application using Next.js, Firebase, and Vercel, demonstrating end-to-end web development capabilities.
- Optimised application performance by implementing server-side rendering.
- Implemented secure Firebase Authentication with multi-factor login, ensuring robust user experience and data protection.
- Created responsive, cross-platform design supporting seamless user interactions across mobile and desktop environments.

Attendance Management System using QR | Github   *03/2023 - 06/2023*

- Developed a web-based Attendance Management System utilising QR code technology, reducing administrative

tracking time by 50% and comprehensively eliminating proxy attendance risks.

- Designed an intuitive, multi-role web application with robust QR code authentication, enabling real-time attendance verification for students, instructors, and administrators.
- Engineered secure backend infrastructure to generate, validate, and process unique QR codes, ensuring comprehensive data integrity and preventing fraudulent attendance marking.
- Implemented advanced authentication using JWT tokens, a user-friendly solution that transforms traditional manual attendance tracking methodologies.

TECHNICAL SKILLS

Programming Languages: C++ | Python | Javascript | JAVA
Frontend Technologies: React.Js | Next.Js | Typescript | HTML5 | CSS3| Tailwind | Bootstrap | Framer-motion
Backend Technologies: FastAPI | ExpressJs | REST APIs | Websocket | ORMs
AI tools: LLMS | prompting | LangChain, Agents | RAG | Openai | Gemini | langgraph
DevOps & Tools: AWS | Github | Docker | Github Action

EDUCATION

Master's of Computer Application	7.96 CGPA	*Graphic Era deemed to be university, 2022-2024*
Bachelor's of Computer Application	8.53 CGPA	*Graphic Era deemed to be university, 2019-2022*
12th C.B.S.E	*2017-2018*
10th C.B.S.E	*2015-2016*

CERTIFICATIONS & COURSES

AWS Cloud Quest: Practitioner | Credly
CompTIA Network+ (N10-009)
MTA: Introduction to Programming Using Python | Credly
Fundamentals of Backend Engineering