

Deepak Chawla

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Place : Patiala, Punjab (India)
Profile : [GitHub](#) | [LinkedIn](#) | [Portfolio](#)

Education

CHITKARA UNIVERSITY

Master of Computer Applications

Ongoing

CHITKARA UNIVERSITY

Bachelor of Computer Applications

July 2024

SRI GURU TEGH BAHADUR PUBLIC SCHOOL

12th CBSE

April 2021

SRI GURU TEGH BAHADUR PUBLIC SCHOOL

10th CBSE

April 2019

Projects

StudyGPT.AI – RAG Chatbot | *LangChain, Express.js, Mistral, Hugging Face, Qdrant, BullMQ* 2025

- **Built an end-to-end RAG chatbot** enabling students to upload university notes as PDFs and ask contextual questions in a shared multi-user environment.
- **Integrated Hugging Face models** for generating embeddings, stored and indexed efficiently in **Qdrant** vector DB for fast retrieval.
- **Implemented query generation** with **Mistral Tiny** LLM using LangChain pipelines to deliver relevant, coherent responses.
- **Designed Express.js REST APIs** and **BullMQ job queues** for background embedding and storage, improving reliability of large file uploads.
- **Deployed the app** on a custom web server with no user authentication for open demo access.
- **Live Demo:** chat.deepak-chawla.com

University Event Management App | *Flutter, Firebase, Razorpay, Lottie* 2024

- **Developed an Android mobile app** for event listing, registrations, payments, and role-based admin controls.
- **Integrated Firebase Authentication** and **Razorpay Payment Gateway**, providing seamless sign-ups and secure transactions.
- **Built navigation using go_router** for seamless screen transitions across **15+ screens**.
- **Leveraged Firestore** for **real-time database syncing**, ensuring rapid event and data updates across the app.
- **Implemented email verification and state-based navigation flows**, aligning with best mobile app practices.
- **Source Code:** github.com/deepak-j5/matrix_events

Technical Skills

Languages: JavaScript, TypeScript, Dart, Java, Python, HTML, CSS

Frameworks / Libraries: ReactJS, NextJS, Flutter, Express.js, Node.js, Tailwind CSS

Databases: MongoDB, Firebase Firestore, MySQL

Tools / Services: Git, GitHub, Postman, Razorpay, JWT, Figma, Firebase Auth, Crashlytics, MongoDB Atlas, VS Code

Soft Skills

Fast learner and adaptable | Analytical thinking | Team collaboration
Dependable and consistent | Creative problem-solving

Summary

Aspiring Full-Stack Developer proficient in Flutter, Firebase, and the MERN stack. Skilled in building end-to-end mobile and web applications, integrating REST APIs, and leveraging modern frameworks like ReactJS and Node.js. Seeking opportunities to apply technical expertise and contribute to impactful projects.