

## EDUCATION

- **BITS Pilani, Hyderabad Campus** Hyderabad, India  
*B.E. (Hons.) in Computer Science; CGPA: 8.18/10.0* Oct 2022 – May 2026

## TECHNICAL SKILLS

Java, Python, C++, Dart, SQL (PostgreSQL), Spring Boot, FastAPI, NestJS, ReactJS, Flutter, NodeJS, Redis, Docker, GraphQL, GitHub Actions

## EXPERIENCE

- **Contenterra Software Pvt. Ltd.** Hyderabad, India  
*Summer Intern* May 2024 – Jul 2024
  - Collaborated in a team of 3 to build a **Flutter-based Personal Search Assistant app** aimed at **unified file access** across **Google Drive, Dropbox, and Evernote**.
  - Focused on integrating the Google Drive API, implementing **OAuth 2.0 authentication** and file metadata retrieval via **FastAPI backend services**.
  - Set up **CI/CD pipelines** with **GitHub Actions** to automate builds, streamlining development.

## PROJECTS

- **BITSBids** | *Spring Boot, ReactJS, GraphQL, Redis, Docker*
  - Built a **secure auction marketplace** backend for **300+ BITSians**, handling **real-time bidding** and **chat** using **GraphQL Subscriptions**.
  - Integrated **Redis-backed Spring Sessions** for session management.
  - Ensured **atomicity and consistency in real-time** bidding using **GraphQL mutations** with **PostgreSQL row-level locking** and **synchronized service-layer execution**.
  - Designed **schema-driven GraphQL APIs** for **structured querying** and **modular frontend integration**.
- **FestMate** | *Python, FastAPI, ReactJS, PostgreSQL, Docker*
  - Developed a **full-stack fest management system** using **ReactJS frontend + FastAPI backend** capable of supporting **1,000+ users** and event registrations.
  - Implemented **FastAPI backend services** with **optimized PostgreSQL queries**, using **triggers, indexing, and async routes** to improve data retrieval latency by **30%**.
  - Containerised the application using **Docker Compose**, ensuring **consistent environments** across **dev** and **CI/CD pipelines**.
- **KanbanDone** | *Flutter, NestJS, SocketIO, Docker*
  - Built a **Trello-style, Kanban board-centric Flutter** frontend with **NestJS** backend supporting **real-time sync** across **Boards, Lists and Tasks** using **Socket.IO**.
  - Implemented **user-level access control** and enabled **multi-user collaboration**, allowing **up to 5 teammates** to **securely edit and manage Boards, Lists, and Tasks** in real-time.
  - Containerised the application using **Docker Compose** to ensure **consistent environments** and working in both **dev** and **CI/CD environments**.

## OPEN SOURCE CONTRIBUTIONS

- **Handoutsforyou** | *PR #73*
  - Added a static blog module to **h4u.app**, an **open-source campus app** used by **1000+ BITSians** across all campuses, enabling long-form articles hosted via Google Drive Markdown files.
  - Designed blog layout, navigation, and rendering logic to support easy content publishing.
  - Implemented a contribution form that **generates articles in a dedicated Drive folder**, streamlining submissions through a familiar, Drive-based workflow.

## POSITIONS OF RESPONSIBILITY

- **Technical Team Lead, SWD Nucleus**
  - Built **SWDPay**, a payment gateway infrastructure for campus outlets, handling **1000+ orders/day** accessible by **5000+ students**.
  - Streamlined the outstation process by developing a **digital Outpass system** with **ID card scanning**, automating campus exit/entry and reducing manual processing effort.
  - Oversaw backend support for monthly mess registrations used monthly by **5000+ students**, ensuring minimal downtime.