

Riya Chaleria

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EDUCATION

Pt. Deen Dayal Upadhyay Management College (IIMT Group, CCS University) Expected 2027
Bachelor of Computer Applications (BCA)

SKILLS

- **Languages:** Python, C, C++, SQL
- **Frameworks & Libraries:** FastAPI, Flask, SQLAlchemy, Pydantic, Alembic
- **Databases & BaaS:** PostgreSQL, SQLite, Supabase
- **DevOps & Tools:** Docker, Kubernetes, Red Hat OpenShift, CI/CD (GitHub Actions), Git, Pytest
- **Core Concepts:** RESTful APIs, JWT Auth, WebSockets, Payment Gateways, Microservices

PROFESSIONAL EXPERIENCE

Yashas AI (B2B SaaS & AI Automation) April 2026 – Present
Backend Engineering Intern | Bengaluru, Karnataka

- Acted as Lead Backend Engineer, designing and deploying a highly relational 10-table PostgreSQL database architecture using SQLAlchemy models and Alembic migrations.
- Integrated Supabase for robust user authentication and secure session management.
- Configured Google Engine integrations to handle automated email communications and system notifications with 99.9% deliverability.

TECHNICAL PROJECTS

BidBazaar (FastAPI Auction Platform) Python, FastAPI, PostgreSQL, WebSockets, Docker, CI/CD

- Engineered a real-time auction platform using FastAPI, implementing custom JWT authentication middlewares and achieving 100% test coverage.
- Architected a real-time WebSocket solution to instantly broadcast global auction states to connected clients with sub-second latency.
- Integrated the Brevo API and Google SMTP to dispatch event-driven transactional emails including secure 6-digit OTPs and payment receipts.
- Deployed Stripe payment gateway webhooks for seamless checkout and instant auction settlement.

WhatsApp Message Queue API Python, Flask, PostgreSQL, Docker, CI/CD

- Built a Flask REST API to reliably ingest, validate, and manage the 3-stage lifecycle (pending/processed/failed) of incoming WhatsApp messages.
- Developed bulk-processing endpoints and native PostgreSQL functions to calculate real-time queue health and peak operational hours.

Terminal To-Do List Manager C, Memory Management, File I/O

- Developed a command-line task management application in C featuring a secure admin login system with 32-bit custom password hashing.
- Implemented strict dynamic memory allocation (malloc/calloc) ensuring zero memory leaks, alongside persistent binary file I/O and CSV export functionality.

CERTIFICATIONS

- **IBM:** Introduction to Containers, Docker, Kubernetes & OpenShift
- **University of Michigan:** PostgreSQL for Everybody Specialization
- **Google Cloud Skills Boost:** Introduction to Generative AI