

AYUSH RAMOLA

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Education

B.Tech in Computer Science & Engineering

Graphic Era (Deemed To Be University), Dehradun

2023-Present

CGPA 7.55/10

Intermediate (10+2)

The Asian School, Dehradun (CBSE)

2022-2023

82%

Projects

GigShield – AI-Powered Parametric Income Insurance

Python, FastAPI, Next.js, Supabase, Razorpay, ML/scikit-learn

[Source Code](#) — [Demo](#)

- Built an AI-powered parametric insurance platform automating claim decisions across **3+ disruption types**, cutting processing time by **80%** and eliminating manual paperwork.
- Engineered a multi-layer fraud detection engine with weighted ensemble scoring and approve/review/reject decision bands; stress-tested against synthetic adversarial scenarios
- Integrated Razorpay subscription and UPI payout flows with live/mock mode fallback; developed separate admin and insurer dashboards tracking loss ratio, reserves, and high-risk zones

BookSwap – Peer-to-Peer Book Marketplace

React.js, FastAPI, Supabase, Tailwind CSS

[Source Code](#)

- Designing a full-stack marketplace supporting **4 transaction types (buy/sell/trade/lend)** with dual payment gateways (Stripe + Razorpay) and planned Delhivery API coverage across **19,000+ pin codes**.
- Building on a PostgreSQL schema with JWT-based authentication, and Stripe/Razorpay payment integration with planned Delhivery courier API support

BharatBiz AI – Multi-Agent Business Assistant

Python, FastAPI, React.js, CrewAI, LangChain, Groq, Firebase, Tailwind CSS

[Source Code](#)

- Prepared a **3-agent AI system** (Coordinator + Inventory + Customer Service) at Code for Bharat S2, targeting 6M+ Indian SMBs with bilingual automation.
- Designed a CrewAI + LangChain orchestration layer eliminating **100%** manual task delegation across specialized agents.
- Developed a real-time WebSocket backend with **sub-200ms** latency using FastAPI, syncing data across all agents via Firebase.

Technical Skills

Languages: Python, C, C++, JavaScript

Backend: FastAPI, Node.js, REST APIs

Frontend: Next.js, React.js, Tailwind CSS, HTML/CSS

Cloud Services (AWS): EC2, Lambda, S3, API Gateway, SNS, SQS, VPC

DevOps: Docker, Git, Linux

Developer Tools: VS Code, GitHub, Postman, Neovim, AWS CLI

Extracurricular

GEU IEEE Student Branch

Social Media Manager

July 2024 - December 2024

- Grew IEEE branch Instagram from **200 to 800+ followers** in 6 months.
- Promoted **5 technical workshops and events** reaching **500+ students** across campus via Instagram and LinkedIn posts.
- Managed a **team of 8 members** for content creation, post scheduling, and platform management across Instagram and LinkedIn.

Certifications

AWS Training & Certification

Amazon Web Services

January 2026 – March 2026

- AWS Networking Basics, Subnets Gateways and Route Tables Explained
- Building Your First Amazon VPC, Configuring and Deploying VPCs with Multiple Subnets
- Introduction to Amazon EC2, Introduction to Amazon S3, Introduction to AWS IAM