

AYUSHMAN RATHI

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Summary

Backend Software Engineering student with 1+ year of production experience building and deploying scalable SaaS applications using Python, Django, Django REST Framework (DRF), PostgreSQL, Azure, and Cloudflare. Experienced in developing RESTful APIs, designing databases, deploying cloud-native applications, and building production-grade software for enterprise and government clients.

Education

JECRC University

2023 – 2027

Bachelor of Technology in Computer Science - CGPA: 8.0

Jaipur, Rajasthan

Technical Skills

- **Languages:** Python, Java, JavaScript, C, C++, SQL
- **Backend:** Django, DRF, FastAPI, Flask, Node.js, REST APIs, JWT, OAuth2, WebSockets
- **Cloud & DevOps:** Azure, Docker, Git, GitHub, GitHub Actions, CI/CD, Linux, Cloudflare (R2), Firebase, Vercel, Railway, Render
- **Frontend:** React, Next.js, Tailwind CSS, Bootstrap
- **Databases:** PostgreSQL, MySQL, SQLite, MongoDB, Redis
- **AI & GenAI:** LangChain, RAG, Hugging Face, Gemini, Pandas, NumPy, NEAT

Experience

Backend Engineering Intern

Mar 2025 – Apr 2026

MultiLipi Technologies Pvt. Ltd. (On-site)

Jaipur, Rajasthan

- Designed a multi-tenant whitelabeling system serving 500+ customers, letting clients run fully-branded copies of the product with owner-scoped identity, payments, and custom interfaces.
- Grew platform reach by 100K+ impressions with a Next.js landing page deployed on Azure.
- Built a CMS and programmatic SEO system with dynamic content management for consistent UI to support 2k+ posts.
- Delivered production-grade backend systems for National Police Academy and Bhashini, translating client product requirements into full implementations and managing deployment on their infrastructure.

Projects

Mind-Care AI

Oct 2025 - Nov 2025

Tech Stack : *Django, PostgreSQL, React Native, GitHub Actions, Vercel, Railway, GenAI, Gemini* [\[Github\]](#) [\[Website\]](#)

- Built web + mobile mental health platform with GenAI chatbot, psychiatrist booking, journaling, & clinical assessments
- Developed Django/PostgreSQL APIs for users, auth, and health workflows.
- Deployed infrastructure using CI/CD with GitHub Actions to Vercel, Cloud storage to Cloudflare R2, and auto scaling

Evolutionary Neural Network Simulation (NEAT)

Jan 2025 - Feb 2025

Tech Stack : *Python, NEAT, Pygame, Neuroevolution*

[\[Github\]](#)

- Engineered self-learning AI agent using NEAT to evolve neural networks from scratch for autonomous gameplay.
- Trained 100+ generations with survival-based fitness optimization to improve obstacle navigation and decision-making.
- Achieved superhuman gameplay, consistently outperforming manual gameplay using iterative genetic selection.

AI Study Assistant

Jan 2026 - Mar 2026

Tech Stack : *Flask, PostgreSQL, Cloudflare R2, GitHub Actions, Render, RAG, Hugging Face*

[\[Github\]](#) [\[Website\]](#)

- Built an AI-powered study platform for note uploads, summaries, flashcards, quizzes, and doubt solving.
- Implemented a RAG pipeline using embeddings and Hugging Face models for context-aware responses.
- Developed backend APIs for authentication, PDF processing, file storage, and automated deployment workflows.

Achievements

- Built and published an Android app on the Google Play Store with **1K+ downloads**.
- Runner-up, University Hackathon (**200+ teams**, Healthcare Track).
- 2nd Prize, Xebia Startup Pitch Competition.
- Selected among the **Top 8** teams for Smart India Hackathon (SIH).
- Technical Lead, AWS Cloud Club, JECRC University.