

AYUSH SHARMA

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Technical Skills

Languages: C, C++, Java, Python, JavaScript

Web Development: Node.js, Express.js, FastAPI, React.js, Next.js, Tailwind CSS, TypeScript, SQL

Databases: MongoDB, Postgres, Redis

AI & Model Integration: LLM APIs, RAG pipelines, vector databases, image, video, and voice models, real-time and tool-based workflows

Tools and DevOps: Docker, Git, Linux, AWS

Experience

Deepneurons AI PVT LTD

Apr 2025 – Present

Software Developer Intern

Remote

- Integrated text, image, video, and voice models into a single platform, including voice agents that answered real phone calls, with Python-based retrieval pipelines and a separate Stripe layer for billing.
- Worked across frontend and backend to ship real product features on top of these models, improving load times, reducing bundle size, and making the apps feel fast and responsive for users.
- Set up and improved AWS deployments and CI/CD so model services could be shipped and updated reliably, cutting release time and lowering infrastructure costs by about 20%.

Phicsit InfoTech Private Limited

Jun 2024 – Jul 2024

Web Application Development Internship

Remote

- Upgraded the backend system for an online-contest organizing application, improving overall performance and UI responsiveness.
- Resolved 30+ critical errors, reducing crashes and enhancing system stability through debugging and maintenance.

Projects

Devploy: Development pods and Docker configurations

Feb 2025

Live at: [devplonest.in](#) | GitHub: [/devploy](#)

- Developed a browser-based platform to launch temporary Docker container instances with Dockerfile/Compose support and an integrated Xterm.js terminal, without SSH config.
- Implemented auto-expiry (15 mins) and guest mode, using OPFS for persistent browser configuration.
- Integrated AI assistance using Codellama-70B via OpenAI API for troubleshooting.
- Technologies: Docker, Node.js, React, WebSockets, Xterm.js, OPFS, Caddy, Postgres

Credential Manager: Manage API securely

Jun 2024

Live at: [cred-manager](#) | GitHub: [/shared-cred](#)

- Created a secure credential management platform with Relationship-Based Access Control (ReBAC) sharing, encrypted image storage, and end-to-end encryption for sensitive user data.
- Integrated Permit.io and Passkey authentication, reducing login friction by around 60% through passwordless access and improving user engagement during testing.

Achievements

- Built a scalable project in a 36-hour hackathon by GDSC DDU — [Credential link](#)
- Created AI-powered Discord chatbot at Code Slush Hackathon — [Discord-chat bot](#)
- Contributed to OpenCode'23 (IIIT-Allahabad), a month-long open-source fiesta — [Credential link](#)

Education

Bundelkhand Institution of Engineering and Technology

Sep 2023 – Aug 2026

B.Tech in Computer Science and Engineering — CGPA : 7.9

Jhansi, Uttar Pradesh

Shri Ram Polytechnic — BTEUP

Sep 2021 – Jun 2023

Diploma in Computer Science and Engineering — 74.95%

Muzaffarnagar, Uttar Pradesh

Position of Responsibility

Management Committee Member — Computer Science Students Council, BIET

Organized tech talks, coding competitions, and networking events for CS students.

Jhansi, India