

Aayush Mishra

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EDUCATION

University of Petroleum and Energy Studies

Dehradun, Uttarakhand

B. Tech in Computer Science

- **Concentrations:** DevOps and Cloud Virtualization
- **Related Coursework:** Data Structures & Algorithms, Object-Oriented Programming, System Design, Agile Development, Machine Learning, Artificial Intelligence

EXPERIENCE

Xebia

Remote

DevOps Intern

June 2025 – Aug 2025

- Automated CI/CD pipeline for a fintech web application serving over 500 users, reducing deployment time by 70% and achieving zero downtime deployments across 7+ releases.
- Provisioned AWS infrastructure with Terraform, creating 20+ reusable modules to boost deployment consistency.
- Designed pipelines, integrated security tools and built reusable Terraform modules, cutting deployment times by 40%.

Chhanv Foundation

Agra, Uttar Pradesh

Lead Operation Intern

June 2023 – Aug 2023

- Planned and executed a computer training program for 15+ acid attack survivors, increasing digital literacy rates by 180%.
- Led a team of 10 volunteers for the Stop Acid Attack Campaign, sensitizing 1,000+ people, including international tourists, and boosting campaign engagement by 60% within a month
- Consistently surpassed outreach targets through effective event planning and mentorship, earning recognition from foundation leadership for initiative and leadership contributions.

PROJECTS

Fresh Ai

Ai driven Laundry Service ([link](#))

- Developed an AI-based laundry solution with computer vision for autonomous staining detection and smart wash suggestions.
- Engineered an end-to-end image processing and inference flow that processed raw images and produced operational insights from them.

Velvitra

A Full Stack Travel Agency([link](#))

- Developed a scalable heritage tourism platform using React and Node.js, featuring a modular architecture for interactive itinerary planning and seamless booking management.
- Built an end-to-end custom tour orchestration flow that processes complex user preferences into verified bookings, leveraging Zod for robust validation and Prisma for high-performance data operations.

Magic Minds

Interactive AI voice tutor ([link](#))

- Designed an AI-powered voice-based learning platform for kids that can potentially enable natural conversational learning through speech-to-text, language generation, and text-to-speech.
- Implemented voice interaction in real-time, integrating AI models with a frontend in React and a backend in Node.js to deliver seamless, interactive educational experiences.

SKILLS

Programming: Python, JavaScript, Typescript, SQL(Postgres), Shell Scripting, Java, Bash

Development: React.js, Next.js, Node.js, Express.js, MongoDB, Bootstrap, Vite

DevOps & Cloud: Git, Docker, Kubernetes, Jenkins, AWS (EKS, ECR, S3, VPC, EC2), Terraform, Prometheus

CERTIFICATIONS([link](#))

AWS Cloud Practitioner Essentials: Demonstrated foundational cloud skills and knowledge.

DevOps Bootcamp: Bootcamp hosted by INT college (Isarel), gained hand-on experience in CI/CD, containerization and orchestration.