

Ashutosh Rath

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EDUCATION

- National Institute of Technology, Rourkela** Odisha, India
Bachelor of Technology - Electrical Engineering July 2021 - May 2025

SKILLS SUMMARY

- Languages:** C++, JavaScript, SQL, Bash
- Tools:** Git, GitHub, Docker, Vscode, Figma, MySQL, GraphQL, Typescript, Javascript, ReactJS, NextJS, NodeJS, TailwindCSS, Dart, Flutter, AWS

EXPERIENCE

- Software Engineer, TheAwareAI** Durgapur, West Bengal, India
Internship JAN 2025 - JULY 2025
 - Mobile App Development:** Contributed to a cross-platform Flutter application for AI-powered self-reflection tools, focusing on performance and UX improvements.
 - Backend Engineering:** Designed and developed secure backend services for core product workflows, enabling efficient data processing and real-time interactions.
 - AI Workflow Optimization:** Improved performance of AI-powered journaling and feedback systems by streamlining backend workflows and minimizing processing delays.
 - End-to-End Delivery:** Led end-to-end development of a journaling and self-reflection workflow, integrating backend logic with frontend interfaces for seamless user experience.
 - Cloud Infrastructure:** Maintained scalable cloud infrastructure using industry-standard practices, ensuring high availability, privacy, and performance for production workloads.
 - DevOps & CI/CD:** Implemented continuous integration workflows and automated deployment pipelines, ensuring consistent code quality and reducing operational overhead.
 - Collaboration & Documentation:** Worked in an Agile team with weekly sprints and daily standups; wrote technical documentation, API specs, and onboarding guides for future developers.
 - Security & Testing:** Contributed to secure authentication workflows and implemented comprehensive testing strategies to ensure system reliability and resilience.
- Software Development Engineer, Super AI** Remote
Internship SEP 2024 - DEC 2024
 - Platform Development:** Developed a scalable AI SaaS platform using Next.js and TypeScript with optimized server-side rendering and lazy loading, ensuring 99.9% uptime and sub-100ms average response times.
 - Architecture Design:** Designed microservice-based architecture using Flask and Docker containers; services were decoupled using RESTful APIs and asynchronous task queues, reducing feature rollout time by 30%.
 - System Scalability:** Implemented horizontal scaling for backend services and load testing using Locust, enabling the system to support 1000+ concurrent users while maintaining <200ms average response latency.
 - Performance Enhancement:** Improved backend performance by 3x through query optimization in PostgreSQL, strategic indexing, and implementing Redis-based caching for frequently accessed data.
 - Cloud Deployment:** Automated infrastructure provisioning and deployment on Microsoft Azure using App Services and Cosmos DB; enabled autoscaling, monitoring dashboards, and real-time error tracking.
 - CI/CD & Monitoring:** Set up CI/CD pipelines using GitHub Actions with staging and production environments; integrated Azure Monitor and Prometheus for real-time performance metrics and alerting.
 - Security & Access Control:** Implemented RBAC (Role-Based Access Control) and secure API gateways; ensured compliance with industry-standard authentication and authorization practices.
 - Documentation & Handover:** Maintained detailed API documentation using Swagger/OpenAPI; provided knowledge transfer sessions and developer handbooks to ensure smooth handoffs.

PROJECTS

- **Git-re:** Developed a web platform that automatically generates professional, ATS-compliant resumes from GitHub profiles.
 - **Tech Stack:** Built with GitHub API, Next.js, TypeScript, Tailwind CSS, and ShadcnUI; utilized Postman for robust API testing.
 - **User Adoption:** Achieved 600+ users on launch day and scaled to 10,000+ users across 20+ countries within 4 weeks.
 - **Recognition:** Ranked among Top 25 projects on ProductHunt with 300+ upvotes and 150+ GitHub stars.
- **Innovision:** Led engineering for NIT Rourkela's official techno-management fest website, building features for participant registration, authentication, and event management.
 - **Technology:** Utilized ReactJS, Tailwind CSS, TypeScript, Node.js, and PostgreSQL to build a dynamic and responsive platform.
 - **Operational Impact:** Managed 4000+ registrations across 80+ events from 10+ institutions, streamlining operations and reducing manual work by 50%.
 - **Functional Improvements:** Improved onboarding efficiency and user retention through real-time updates and enhanced UX flow.

HONORS AND AWARDS

- Top 50 worldwide in Quine Hacktoberfest Challenge — October 2023
- Winner, Solving for India Hackathon (Institute Level) — June 2023

VOLUNTEER EXPERIENCE

- **Google Cloud Study Jam Facilitator (Odisha, India):** Delivered hands-on cloud training and career mentorship to 3000+ students across institutions — September 2023
- **Lead Organizer at HackNITR Hackathon (Rourkela, India):** Directed large-scale hackathons and tech workshops with 10,000+ total attendees — January 2023 to Present