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 - PRESENT*
  - **Development**: Built Flutter application with backend development. Integrated AI model training, LangChain framework, and knowledge graph construction. Implemented comprehensive AI solutions stack.
  - **Impact**: Developed end-to-end mobile application architecture. Enhanced AI workflows through advanced model training pipelines. Delivered scalable knowledge graph systems for improved data insights.

- **Software Development Engineer, Super AI** — Remote
  Internship — *SEP 2024 - DEC 2025*
  - **Development**: Built AI platform using Next.js, Typescript and MongoDB. Integrated 7+ AI services. Implemented 15+ RESTful APIs with 100ms response time.
  - **Impact**: Scaled MVP to 1000+ users. Developed microservices architecture using flask backend. Improved system performance for high concurrency.

PROJECTS

- **Git-re**: Developed a web application aimed at generating professional resumes from GitHub profiles. Key achievements include:
  - **Tech Stack**: Utilized a combination of the Github API, Next.js, Typescript, Tailwind CSS, and ShadcnUI frameworks. Additionally, integrated Postman for enhanced functionality and testing.
  - **Impact**: Achieved an outstanding debut with over 600 users on launch day and overall 10000+ users from 20+ countries.
  - **ProductHunt Success**: Secured the prestigious 25th position on ProductHunt, validating the project's quality and appeal.

- **Innovision**: Led development of NIT Rourkela's techno-management festival website, implementing user authentication, event registration system, and dynamic content management for competitions and exhibitions across multiple domains. Key highlights include:
  - **Technology**: Leveraged advanced tech stack including ReactJS, TailwindCSS, Typescript, PostgreSQL, and NodeJS to develop the platform.
  - **Impact**: Successfully engaged 4000+ participants across India, with representation from 10+ institutions, managing budget of INR 100,000+.

TECHNICAL WRITINGS

- **Blog: Building with CRDTs**: Authored an in-depth article on Conflict-free Replicated Data Types (CRDTs), exploring their role in enabling seamless real-time collaboration in distributed systems and highlighting practical applications and implementation strategies.
- **Blog: Understanding factory methods** : Explored the application of Factory Method and Abstract Factory design patterns in software development, using a pizza ordering system as a practical example to illustrate object creation solutions. Provided insights into when to use each pattern, enhancing code maintainability and scalability.

HONORS AND AWARDS

- Won the Quine - hacktoberfest challenge being in the top 50 hackers worldwide - October, 2023
- Awarded the institute level winner award of Solving For India hackathon - June, 2023

VOLUNTEER EXPERIENCE

- **Google Cloud Study Jam Facilitator (Odisha, India)**: Conducted online and offline technical & soft-skills training impacting over 3000 students across various institutions. The program enhanced participants' cloud computing skills and career readiness. - September 2023

- **Lead Organizer at HackNITR Hackathon (Rourkela, India)**: Spearheaded the organization of hackathons, technical sessions, and workshops, attracting a cumulative participation of 10,000+ individuals. These events fostered innovation and skill development among attendees. - January 2023 - Present