

Atul Kumar Rana

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EXPERIENCE

Cloud Domain Technical Lead

Microsoft Learn Student Ambassadors

Present, Bhubaneswar, IN

- Collaborated across multiple domains to organise workshops on Cloud, GitHub, and other technologies, and successfully conducted hackathons with participation from over 500 students.
- I have hosted web applications on VMs using AWS and DigitalOcean for events, ensuring smooth deployment, scalability, and reliable performance with secure configurations.
- Architected solutions for more than 3 cloud projects and implemented them using Python, Git, CI/CD, Docker, AWS and DigitalOcean.

PROJECT

SplitEase

Link- <https://spliteaseapp.atul.codes> · Backend - [GitHub](#)

- A system that manages group expenses, allowing users to add bills, split amounts, track balances, settle dues, and maintain a clear ledger using REST APIs, authentication, and database-backed calculations.
- A cloud-deployed expense management app, where the backend is containerised (Docker), orchestrated via AWS(EC2/ECS/EKS), automated with CI/CD pipelines, and monitored through tools like Grafana & Prometheus for scalable, reliable performance.

PrepX

[GitHub Link](#)

- PrepX is an online preparation and assessment platform built with Spring Boot, MySQL, and ReactJS.
- It provides secure JWT-based authentication, user management, quizzes, progress tracking, and CSV data imports, with an interactive frontend and scalable backend APIs.

LEDGERLY

[GitHub Link](#)

- Engineered a monthly expense tracking application, reducing manual expense calculation time by 60% using AWS monitoring & Docker.
- Implemented robust monitoring and load balancing using Prometheus, Grafana, and cAdvisor to ensure server and web application efficiency.
- Utilised Docker for containerization and a cloud database for scalable and efficient data management.

Real Time Chat system

[GitHub](#)

RealTime Video Calling system

[GitHub](#)

EDUCATION

Bachelor of Technology in Computer Science and Engineering

Kalinga Institute of Industrial Technology · Bhubaneswar, Odisha · Aug. 2023-June 2027

SKILLS

Java, C, Python, HTML, CSS, JavaScript,

Go, Spring Boot, GoLang

AWS, Docker, Kubernetes,

CI/CD (GitHub Actions, Jenkins) MySQL

Git, GitHub

DBMS, Object-Oriented Programming in Java, Computer Networks
