

# Aayush Rajput

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## SUMMARY

Software Engineer with expertise in Golang, Node.js, and microservices. Skilled in building scalable backend systems, optimizing databases, and applying Java, OOP, and DSA knowledge in real-world projects

## PROJECT

### Distributed-Workflow-System

Personal Project • [github.com/aayushrajpud/Distributed-Workflow-System](https://github.com/aayushrajpud/Distributed-Workflow-System)

- Architected a microservices-based workflow system enabling 100+ concurrent task executions across heterogeneous environments, improving operational efficiency by 40%.
- Implemented real-time collaboration, role-based access, API key management, and usage analytics, enhancing system security and boosting team productivity.
- Optimized system resilience with automated exception handling and dynamic workload balancing, reducing task failure rate by 30% under high operational loads.

### AI-Powered SaaS Expense Tracker

Personal project • [github.com/aayushrajpud/expense-tracker](https://github.com/aayushrajpud/expense-tracker)

- Engineered AI-driven expense automation for real-time categorization and receipt processing, reducing manual entry workload by 50% and increasing user efficiency.
- Optimized PostgreSQL and GORM ORM performance, improving query speed by 60% and ensuring robust validation and error handling for secure financial data.
- Developed a secure, scalable RESTful API in Golang and Gin, supporting multi-user access and enabling seamless, real-time expense tracking across the platform.

### E-Commerce

Academic project • [github.com/aayushrajpud/ecommerce](https://github.com/aayushrajpud/ecommerce)

- Engineered a responsive frontend UI for product catalog, checkout, and account management, leveraging MongoDB Atlas with local caching to increase data retrieval and page load performance by 40%.
- Optimized real-time product search, filtering, and dynamic updates, enhancing user navigation and reducing interaction latency by 30%.
- Implemented secure payment gateways (Stripe & Razorpay) with client-side validation, ensuring seamless and reliable checkout for all users.

## EDUCATION

### B.Tech in Computer Science

SWAMI VIVEKANAND SUBHARTI UNIVERSITY • Meerut, UP • 2025 • 8.4

### 12th (PCM)

UP Board • Dhampur • 2021 • 65

## CERTIFICATIONS

### Java Programming

CRIO.Do • 2025

- Gained proficiency in Java, including OOP concepts, core syntax, control structures, and application development basics

### Golang

GeeksforGeeks • 2025

- Certified in Golang, proficient in building scalable backend systems, developing RESTful APIs, and implementing microservices.

### HackerRank Certified Software Engineer

HackerRank • 2025

- Successfully passed the HackerRank Software Engineer Assessment.
- Demonstrated proficiency in problem-solving, coding, and software engineering skills.

## SKILLS

Languages: Java, Go, JavaScript

Backend Frameworks: Node.js, Express.js, Golang

Frontend Technologies: React.js, HTML, CSS, JavaScript

Databases: PostgreSQL, MongoDB, Redis

Tools: Git, Docker, Postman, VS Code, Netlify, Render

Soft Skills: Problem-solving, Teamwork, Effective Communication