

# GAURAV KUMAR

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## EDUCATION

**National Institute of Technology Kurukshetra**

Master of Computer Application CGPA: 8.8

**July 2020 – May 2023**

Kurukshetra, Haryana

## TECHNICAL SKILLS

**Languages:** Java, SQL, HTML/CSS  
**Frameworks:** Spring, Spring Boot, Hibernate, Angular  
**Databases:** OracleDB, PostgreSQL, MongoDB, Redis  
**DevOps & Tools:** Git, SonarQube, Linux, Putty, Apache Tomcat, JBoss  
**Cloud & Messaging:** AWS (EC2, RDS), RabbitMQ  
**Concepts:** OOPs, SOLID Principles, Design Patterns, Microservices, Low-Level Design, Data Structures & Algorithms, Multithreading

## EXPERIENCE

### PayNways

Software Engineer

**Feb 2024 – Current**

Noida, Uttar Pradesh

- **Upgraded Core Systems:** Successfully migrated projects from **Java 8** to **Java 17** and from **JBoss 7.4** to **JBoss 8**, ensuring compatibility and leveraging advanced features for a **30% performance improvement** and better maintainability.
- **Implemented SSO Authentication:** Integrated **Ping Federate** Single Sign-On (SSO) to enhance security and streamline authentication across **5+ banking applications**, reducing authentication time by **40%**.
- **Optimized Data Processing:** Designed and enforced a robust system to process transactions, storing encrypted and decrypted **ISO 8583** messages in a compressed **BLOB** format with **90% size reduction**, significantly improving storage efficiency.
- **SonarQube Integration:** executed **SonarQube** for static code analysis in the **Auth project**, ensuring **82% code coverage**, **0 critical vulnerabilities**, and optimized code quality for maintainability in **Java Spring Boot** applications.
- **HSM Integration:** Blended **Thales HSM** for secure **PIN generation** in the **Auth project**, enhancing transaction security and ensuring compliance with **PCI DSS** banking standards.

### Merithub Technologies

Software Engineer Intern

**Jan 2023 – July 2023**

Mohali, Punjab

- **Developed Article Module:** Built an **Article Module** which allow users to **create, edit, and save** articles in drafts with tagging for efficient **grouping and filtering**, improving content management efficiency by **50%**.
- **Automated Review System:** applied an **administrative review system** to automate article approvals, ensuring **100% compliance** with content quality standards before publication.
- **Global Articles Page:** Designed and expanded a **Global Articles Page** showcasing **top-viewed and most-liked** articles with advanced **sorting and filtering features**, improving user engagement by **60%**.
- **Enhanced Platform Usability:** Improved platform scalability by efficiently managing **100+ articles**, increasing accessibility and engagement for a growing user base.

## PROJECTS

EmailPilot | 🐙 EmailPilot

**Dec 2024**

- **Automated Email Campaigns:** Enhanced a scalable email automation system using **Java Spring Boot, JPA, Angular**, enabling businesses to schedule, personalize, and track bulk emails.
- **Email Templates & Analytics:** Built a **custom template management system** and merged **real-time tracking**, improving campaign engagement by **35%**.
- **Reliable Email Delivery:** Incorporated **SMTP and Google APIs** for high deliverability, achieving **99.9% uptime**.

ExpensoHub | 🐙 ExpensoHub

**May 2024**

- **Automated Reimbursement Workflow:** Developed **ExpensoHub**, a full-stack expense management platform using **Java, Angular, Spring Boot, Spring Security, and MongoDB**, automating reimbursement approvals and reducing manual processing time by **70%**.
- **Secure & Insightful Expense Management:** Implemented **role-based access control**, real-time validation, and cost analytics dashboard, helping companies track over **1000+ expense entries/month** and ensure **100% reimbursement transparency**.

## ACHIEVEMENTS

- Achieved a rank of 511 in the NIMCET MCA exam in 2020.
- Solved 700+ problems on various coding platforms (Leetcode, GFG, Codechef) improving my problem-solving skill.