

Karan Upadhyay

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EDUCATION

University School of Information, Communication and Technology, GGSIPU <i>Bachelor of Technology in Information Technology (GPA: 8.3)</i> Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Software Engineering, Operating Systems, Database Management Systems, Computer Networks, System Design	Delhi, India Nov 2022 – July 2026
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EXPERIENCE

Artificial Intelligence Intern <i>Infosys Springboard</i>	Sep 2025 – Nov 2025
<ul style="list-style-type: none">Designed a deep learning model for scanner source identification, reducing manual verification effort by 70%.Built data ingestion pipelines for 4,000+ images across 11 scanners, boosting system robustness by 40%.Optimized training pipelines through dataset normalization, slashing end-to-end training time by 2 hours.Spearheaded monitoring and validation processes for forgery detection, achieving 85% accuracy on test data.	<i>Remote</i>
Web Developer Intern <i>IBM SkillsBuild Program</i>	Jun 2024 – Aug 2024
<ul style="list-style-type: none">Led a 5-member Scrum team through sprint cycles, delivering the project successfully ahead of schedule.Owned feature planning and conducted rigorous code reviews ensuring quality across development phases.Improved application responsiveness by 30% through mobile-first design and cross-device UI optimization.Automated user communication and volunteering workflow, reducing manual operational overhead by 40%.	<i>Remote</i>

PROJECTS

SpendWise - Finance Tracker <i>Java, Spring Boot, React, MySQL, Docker</i> GitHub	
<ul style="list-style-type: none">Engineered a full-stack finance tracking system consolidating income and expenses with real-time analytics.Automated monthly expense reporting service, accelerating delivery by 50% via scheduled email summaries.Integrated JWT with Spring Security filters enabling secure login and role-based access mechanism.Dockerized backend services, deployed on Render and Vercel, supporting 1,000+ concurrent users reliably.	
Asgard - Storage Vault <i>React, Solidity, Hardhat, Polygon Network</i> GitHub	
<ul style="list-style-type: none">Pioneered decentralized image storage app with Ethereum and IPFS for a censorship-resistant storage solution.Engineered blockchain-verified cryptographic access control for secure image retrieval and privilege control.Streamlined smart contract interactions and deployed on Polygon, achieving 100% production service uptime.	
MailMinter - AI Email Assistant <i>Spring Boot, Spring AI, Google Gemini, Chrome Extension</i> GitHub	
<ul style="list-style-type: none">Developed an AI-powered email assistant that generates contextual replies, reducing response time by 85%.Architected REST APIs for async processing and Gmail browser extension integration workflows seamlessly.Delivered sub-2s latency with circuit breaker fallback, preventing cascading failures in production systems.	
Place Review System (Backend) <i>Java, Spring Boot, Hibernate, MySQL</i> GitHub	
<ul style="list-style-type: none">Built Spring Boot REST APIs enabling authenticated users to review real-world places with ratings (1 to 5).Implemented JWT-secured, layered backend handling users, places, reviews, and dynamic place creation process.Optimized search and retrieval by name, rating, and category, delivering ordered, low-latency review responses.	

TECHNICAL SKILLS

Programming Languages: Java (core and advanced), C++, Python, JavaScript, SQL

Framework & Libraries: HTML, React, Next.js, Spring Boot, Hibernate, Spring Security (JWT & OAuth 2.0)

Databases: MySQL, PostgreSQL, MongoDB (NoSQL)

Developer Tools: Git, GitHub, Docker, Maven, Postman, IntelliJ IDEA, Vercel

AWARDS AND ACCOMPLISHMENTS

- Solved **1100+ DSA problems** with **60+** global contest participations across LeetCode, CodeChef, GFG.
- Earned LeetCode **Knight** badge (rated **1870+**, best rank **386**, [Profile](#)) and CodeChef **2-Star** (rated **1450+**).
- 1st Place**, Dev Challenge 2024 (**Web3 Track**), outperforming **180+** teams across the **Asia-Pacific** region.
- Top 10**, Vihaan Hackathon (**DTU**) - Led a **4-member team** to build a **zero-commission B2C e-commerce** application in **24 hours**, competing against **70+** teams.