

Akarsh Mishra

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Projects

- Scholar Forge** (Academic Marketplace) | *Next.js, Spring Boot, PostgreSQL, OAuth2, JWT* | GitHub Jan 2026 – Mar 2026
- Designed and built a collaborative academic marketplace enabling students to publish, discover, and contribute to projects with structured peer feedback from 50+ reviewers.
 - Architected a multi-provider OAuth2 authentication system with JWT dual-token rotation, ensuring session integrity and instant access revocation across all endpoints.
 - Engineered a normalized PostgreSQL schema with composite indexing and full-text search, improving data retrieval speed by 35%.
 - Implemented a modular microservices structure using Spring Boot, decoupling core features for independent deployment and improved scalability.
- Authentication Framework** | *Spring Boot, Spring Security, BCrypt, REST API, Render* | GitHub | Live Dec 2025 – Jan 2026
- Developed a reusable, production-ready authentication framework serving as a security backbone for Spring Boot microservices, reducing integration setup time by 40%.
 - Enforced Role-Based Access Control (RBAC) with granular, endpoint-specific permissions across 15+ secured REST API routes, reducing unauthorized access incidents to zero.
 - Eliminated XSS vulnerabilities by integrating BCrypt password hashing and HTTP-only cookie storage for secure session token management.
 - Achieved zero-downtime releases by deploying automated CI/CD pipelines on Render, streamlining production updates and rollback procedures.
- Note Taking Application** (SaaS) | *React.js, Flask, Supabase, PostgreSQL* | GitHub | Live Jan 2025 – Mar 2025
- Built a full-stack SaaS note-taking platform with JWT-secured authentication and a responsive React.js frontend, supporting 100+ concurrent users.
 - Integrated a real-time sync engine via Supabase, ensuring data consistency across all active users with sub-second latency and zero data loss.
 - Optimized PostgreSQL queries with targeted indexing and refined Flask request-life cycle handling, boosting API response speed by 20%.
 - Configured automated builds and continuous delivery on Netlify and Render, reducing manual deployment effort by 80%.

Certifications

Goldman Sachs – Software Engineering Virtual Program (Forage)	Jan 2025
Amazon Web Services (AWS) – Solutions Architecture	Sep 2024
HackerRank – Software Engineer Intern Certification	Aug 2024

Co-Curricular Activities

- Smart India Hackathon** | *Backend Developer* Sep 2025
- Collaborated with 5-person team during a 36-hour national-level hackathon, delivering a fully functional MVP using React, n8n, and Node.js, securing recognition among the top 10 teams out of 200+ participants.

Technical Skills

Languages: Java (J2SE, Jakarta EE), Python, JavaScript, SQL
Frameworks & Libraries: Spring Boot, Spring Security, Hibernate, Next.js, React.js, Node.js, Express.js, Flask
Databases & Cloud: PostgreSQL, MySQL, MongoDB, Supabase, Firebase, Render, Vercel, Railway
Core Concepts: Data Structures & Algorithms, OOP, RBAC, OAuth2, JWT, REST API Design, Microservices, Agile/Scrum

Education

Lovely Professional University	2025 – 2027
<i>Master of Computer Applications – CGPA: 8.24/10</i>	Jalandhar, Punjab
Meena Shah Institute of Technology and Management	2022 – 2025
<i>Bachelor of Computer Applications – 82.16%</i>	Gonda, Uttar Pradesh
Bal Vidya Mandir Inter College	2020 – 2022
<i>12th (Science) – 74.60%</i>	Gonda, Uttar Pradesh
Bal Vidya Mandir Inter College	2018 – 2020
<i>10th (Science) – 64.20%</i>	Gonda, Uttar Pradesh