R.Srikrishna Kashyap

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LeetCode: Rayabagi Kashyap

EDUCATION

- **VIT Bhopal University** *Nov 2022 - Present*
  BTech, Computer Science and Engineering | CGPA: 8.84/10 Bhopal, India

PROJECTS

- **Despensa: Group-Based Grocery & Pantry Management System** *April 2025 – May 2025*
  Tools: Spring Boot, MongoDB, MySQL, Docker, JWT, HTML/CSS/JS

  ○ **Built** full-stack RESTful backend with real-time CRUD operations using Spring Boot and MongoDB, supporting 50+ concurrent users across multiple grocery inventories with 99.9% uptime.

  Designed role-based group management system with secure access control, reducing unauthorized access attempts by 85% through granular permission handling and JWT authentication.

  Deployed dual-database architecture combining MongoDB for user data and MySQL for credentials, processing 1000+ transactions daily with zero data loss and 2-second average response time.

- **LLM Poisoning: Security Analysis** *Mar 2025 – Apr 2025*
  Tools: Python, HuggingFace (BERT/T5/DistilGPT), PyTorch

  ○ **Executed** comprehensive security analysis simulating data poisoning attacks (factual negation, label flipping) on 3 LLM architectures, demonstrating 45% accuracy degradation with less than 1% corrupted training data.

  Analyzed vulnerability patterns across transformer models (BERT, T5, DistilGPT) using PyTorch, identifying 15+ security flaws and establishing baseline security metrics for 50+ test scenarios.

  Created automated defense mechanisms including statistical anomaly detection and adversarial training protocols, reducing attack success rate by 40% across 100+ controlled experiments.

- **WitWise: Student Collaboration App** *Aug 2023 – Oct 2023*
  Tools: Flutter, Firebase, Dart [O]

  ○ **Developed** cross-platform mobile application serving 500+ students with real-time document sharing, collaborative note-taking, and zero-latency synchronization using Flutter and Firebase infrastructure.

  Implemented Firebase Authentication and Firestore database, achieving 30% reduction in login failures and 40% improvement in query performance through indexed collections and advanced caching mechanisms.

  Optimized UI/UX with custom Flutter widgets and responsive design, increasing app responsiveness by 35% and reducing battery consumption by 25% across 1000+ user sessions.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C++, SQL, JavaScript
- **Cloud & DevOps: AWS (Cloud Practitioner)**, Firebase, Docker
- **Frameworks & Tools: Spring Boot (REST APIs, Data JPA, Maven)**, MongoDB, MySQL, Firestore (NoSQL optimization), Git, IntelliJ, Postman

ADDITIONAL INFORMATION

- **Certifications:** AWS Academy Cloud Foundations | AWS Academy Cloud Architecting | Coursera Networking Fundamentals | Flipkart Grid
- **Achievements:** TCS CodeVita | Flipkart Grid Hackathon | Cyber Magazine Member
- **Hobbies:** Badminton, Cooking, Reading, Music
- **Languages:** English, Hindi, Kannada, Telugu