PRIYAM SRIVASTAVA

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EDUCATION

Amity University Lucknow — India
B. Tech. Computer Science Engineering, CGPA - 8.13 — *2020 – 2024*

Amity University Noida — India
M.Tech Computer Science Engineering, CGPA – 7.75 — *2024 - 2026*

SKILLS

Languages: Java, C++, JavaScript

Frameworks/Library: React.js, FastAPI

Databases: MongoDB, MySQL

Cloud: AWS, Azure

Tools: Git, Postman, VS Code

Core CS: DSA, Computer Networking, Operating System, DBMS

WORK EXPERIENCE

Software Developer Intern | *May 2025 – July 2025*

Winniio, Sweden (Remote)

- Developed Fast API backend system enabling real-time PDF ingestion, OCR processing, and automated knowledge graph population.
- Built responsive React-based chat interface implementing Retrieval-Augmented Generation (RAG) architecture using FAISS vector database and Neo4j graph database.
- Enhanced medical question-answering system accuracy through optimized information retrieval workflows.

Research Intern | *May 2025 – July 2025*

Open Health Systems Laboratory (OHSL), USA (Remote)

- Contributed to "Integrating EHRs for Telesynergy" research project, focusing on secure and interoperable Electronic Health Record integration for telemedicine applications
- Researched healthcare interoperability standards (HL7 FHIR, DICOM) and implemented privacy-preserving mechanisms for clinical data exchange.

PROJECTS

Hybrid Multi-Tenant Cloud Storage System || **GitHub**
- Built a secure, cloud-agnostic storage platform enabling multi-tenant file upload with hybrid encryption (AES-256-GCM + RSA 2048).
- Implemented role-based authentication (admin, user, auditor), isolated tenant storage, and secure file decryption with private keys.
- React dashboard supports tenant management and file visibility.

Java Chat Application ||**GitHub**
- Developed a Java-based chat application utilizing JavaFX for the user interface and socket programming for real-time communication.
- Implemented client-server architecture allowing multiple users to connect to a central server and exchange messages in real-time.
- Designed a user-friendly graphical user interface (GUI) for message input and display using JavaFX controls such as Text Area, Text Field, and Button.

Sorting Visualizer ||**GitHub**
- Created educational web application providing visual demonstrations of sorting algorithms including Bubble Sort, Merge Sort, Quick Sort, and Heap Sort.
- Implemented dynamic animation system allowing users to adjust sorting speed and array size for comprehensive algorithm analysis.

CERTIFICATION

- Oracle Cloud Infrastructure 2025 Architect Associate| Oracle |Certificate
- Postman API Fundamentals Student Expert |Certificate
- Google IT Support Professional Certificate | Google via Coursera| Certificate
- AWS Cloud Practitioner Essentials.