

# HRIDAY SHARMA

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## SUMMARY

Software Engineer with expertise in Java, MySQL, and DBMS, with a strong foundation in Data Structures and Algorithms (DSA). Proficient in developing software solutions, operating systems, and computer networks. Adept at problem-solving and optimizing system performance to enhance efficiency and scalability. Focused on delivering technology-driven solutions that align with business objectives.

## EDUCATION

- **Bachelor of Technology – Computer Science and Engineering** **2021-2025**  
Guru Gobind Singh Indraprastha University, Delhi, India
- **Class 12** **2019-2020**  
Central Board of Secondary Education, Delhi, India

## PROJECTS

### JournalApp - RESTful Personal Journal API **Feb 2025-Mar 2025**

- Designed and implemented a journaling application using Spring Boot and MongoDB Atlas, providing full CRUD functionality through RESTful APIs with input validation and error handling.
- Integrated Swagger UI for API documentation and testing, utilized Postman for endpoint verification, and managed dependencies with Maven to ensure maintainable and scalable code.

### AID – AI-Powered Doctor Assistant with Voice and Vision Interface **Jan 2025-Feb 2025**

- Developed an AI medical assistant using Python, Gradio, and Groq for LLM-based health query handling via web interface.
- Integrated ElevenLabs and gTTS for speech-to-text and text-to-speech, enabling seamless voice interaction.

### College Connect- Document Verification System **Oct 2024-Dec 2024**

- Developed web application (HTML, CSS, JavaScript) with Solidity smart contracts (web3.js) and IPFS integration (js-ipfs) for secure, decentralized document verification and storage.
- Implemented Blockchain-based (Solidity) tamper-proof document hash storage and IPFS file storage, ensuring data integrity, secure retrieval, and authorized user verification.

## SKILLS

- **Programming Languages:** Java , Python, MySQL, MongoDB
- **Frameworks & Tools:** Spring Boot, Spring MVC, Spring Data JPA, Collections, Gradio, Swagger
- **Containerization & Deployment:** Docker, Docker Compose
- **Messaging:** Apache Kafka
- **AI & ML Technologies:** Groq (LLM), ElevenLabs API, gTTS, Machine Learning
- **Core Skills:** RESTful APIs, Debugging, Data Structures & Algorithms, DBMS, Multithreading
- **Soft Skills:** Problem Solving, Team Collaboration, Agile Project Management

## CERTIFICATIONS

### Nanodegree in Foundation of Generative AI – Udacity

- Specializing in machine learning, neural networks, natural language processing, and image classification to develop innovative AI solutions.

### SQL and Relational Databases 101 – Cognitive Class, powered by IBM Developer Skills Network

- Acquired skills in SQL, database design, and relational database management to enable effective data manipulation and insightful analysis.

### Java Course - Mastering the Fundamentals – Scaler

- Specializing in foundational Java programming, coding proficiency, problem-solving, and advanced software development concepts to create robust applications.