

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

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| • 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

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| 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.