

Vijay Jha

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Skills

Languages: C++, Golang, Flutter & Dart, Python, Node.js, MySQL, SQLite

Technologies & Tools: Git, GitHub, Postman, Firebase, TensorFlow, Docker, MongoDB, RESTful API

Other Skills: Data Structures & Algorithms, OOPS, Artificial Intelligence & Machine Learning, Team management, Teaching

Work Experience

IBM, Pune

Jul 2024 - Dec 2024

Software Developer Intern

- Spearheaded the development of a scalable KMIP (Key Management Interoperability Protocol) server in Golang, ensuring compliance with KMIP 1.4 and 2.1 standards.
- Engineered TLS-integrated authentication and certificate management to enhance data security and encryption across distributed networks.
- Implemented robust request-handling mechanisms for TTLV, JSON, and XML formats, enhancing data interchange efficiency.
- Optimized cryptographic operations such as key generation, encryption, and retrieval, increasing efficiency by 40% and reducing latency.
- Ensured seamless interoperability across platforms by achieving strict compliance with KMIP specifications.

Tech Stack: Golang, TLS, Cryptography, REST APIs, Git & GitHub

- [View Certificate of Completion](#)

Education

Vishwakarma Institute of Information Technology, Pune

Nov 2022 - Jul 2025

- Bachelor of Technology - BTech, Computer Engineering

CGPA: 9.71/10

Relevant Coursework: Operating Systems, Computer Networks, Artificial Intelligence, Machine Learning, Advanced Data Structures and Algorithms, Cloud Computing

- Government Polytechnic, Pune

Jul 2019 - Aug 2022

Diploma - Computer Engineering

Percentage: 93.4

Project Work

- **Query-Vault (2025) - AI-Powered Document & Video Query App**

- Built a multimodal platform to extract and query content from PDFs, DOCX, images (OCR), and YouTube videos using Whisper and Tesseract.
- Integrated HuggingFace Mixtral LLM with LangChain and FAISS for intelligent, multilingual Q&A over extracted content.
- Enabled real-time document parsing, speech-to-text, and translation via Streamlit interface with user-driven language support.

Code: [GitHub Link](#)

Tech Stack: Python, Streamlit, Tesseract, LangChain, HuggingFace, FAISS, Whisper, OCR, NLP, LLM, Google Translate API

- **Mai Hoon Arjun (2022) – AI-Powered Mobile App**

- Built a personalized spiritual guidance app that recommends Bhagavad Gita shlokas based on user emotions.
- Designed and implemented emotion-based text analysis to categorize and present relevant verses dynamically.
- Published on **Google Play Store**, receiving 100+ downloads and positive user feedback for its intuitive experience.
- Enhanced user experience by improving app performance, optimizing API calls, streamlining text rendering, and incorporating multi-language support, allowing a wider audience to access shlokas in their preferred language.

Code: [GitHub Link](#)

Tech Stack: Flutter, Firebase, Flask, AWS, Google Translate API

- **FitnessLad (2024) – AI-Driven Fitness App**

- Developed an AI-powered food identification system using Gemini API to improve food recognition accuracy.
- Built a fitness recommendation system assisting users in tracking macronutrient intake.

Code: [GitHub Link](#)

Achievements & Certifications

- **Solved 1250+ LeetCode Problems** – Expertise in algorithm optimization and problem-solving.

- **Certifications Portfolio** [View All Certificates](#)