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: 9.75/10*
  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**