BEERNELLI VISHNU VARDHAN

CONTACT INFORMATION

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SUMMARY

Software Engineering Intern candidate pursuing Bachelor of Technology (B.Tech) in Computer Science & Information Technology at MVSR Engineering College. Experience building LLM/RAG applications with Python and FastAPI, plus React, Node.js, computer vision and ML systems. Builds full-stack web applications with Python, JavaScript, TypeScript, REST APIs, SQL, MongoDB, Git, Docker, AWS, WebSockets, writing tests, and CI/CD.

EXPERIENCE

Cyber Security Virtual Intern | Palo Alto Networks via EduSkills | Location: Hyderabad, Telangana, India | Feb 2026 – Apr 2026

- Completed a 3-month cybersecurity internship covering network security fundamentals, threat awareness, and secure systems practices.
- Applied JWT authentication, encrypted storage, Git version control, and CI checks while writing tests for auth endpoints on full-stack projects.

EDUCATION

MVSR Engineering College | Location: Hyderabad, Telangana, India | Aug 2023 – Aug 2027
Bachelor of Technology (B.Tech) in Computer Science & Information Technology | CGPA: 7.89 / 10

Sarath Junior College | Location: Hyderabad, Telangana, India | Aug 2021 – May 2023
Intermediate (Class 12) | CGPA: 8.76 / 10

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, C, SQL
AI / ML: PyTorch, TensorFlow, Transformers, OpenCV, DeepFace, scikit-learn, Pandas, Causal Inference, Generative AI, LLMs, RAG, Prompt Engineering, computer vision
Backend & Frontend: Node.js, Express.js, FastAPI, REST APIs, WebSockets, Socket.IO, JWT, React.js, Next.js, HTML5, CSS3, Tailwind CSS
Data & DevOps: MySQL, MongoDB, SQLite, SQLAlchemy, Git, GitHub, Docker, AWS, Vercel, Nginx, GitHub Actions, CI/CD, pytest, writing tests
Core CS: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks

PROJECTS

ResumeLens — AI Resume Screening Agent | Oct 2026 | Live: resumelens-beta.vercel.app
Python, FastAPI, Generative AI, LLMs, RAG, Prompt Engineering, REST API, pytest, CI/CD | github.com/VISHNU4718/ai-resume-screening-agent

- Built an LLM-powered resume screening agent with Python and FastAPI REST APIs: prompt-engineered structured JSON extraction with a repair retry, evidence quotes per requirement, and deterministic weighted scoring; parses PDF, DOCX, and TXT.
- Implemented a RAG Q&A endpoint (/ask) with citations, an OpenAI-compatible LLM client (Groq, OpenAI, OpenRouter, Ollama), and a rule-based + embedding fallback when no LLM is configured.
- Wrote 234 pytest tests, linted with ruff, and added GitHub Actions CI and a Dockerfile; deployed on Vercel.

Deezy — Full-Stack Personal AI Agent | Aug 2026 – Sep 2026
Python, FastAPI, React 18, TypeScript, Vite, SQLite, REST API, WebSockets, Ollama, LLM agents | github.com/VISHNU4718/deezy

- Built a full-stack AI agent app: FastAPI backend exposing 23 REST API endpoints and a WebSocket channel for live task updates, with a React 18 + TypeScript (Vite) frontend of chat, tasks, history, memory, and settings pages.
- Implemented an observe → plan → approve → execute → verify agent loop with error classification and automatic recovery, risk-tiered (low/medium/high) approval dialogs, and swappable LLM providers (Ollama, OpenAI-compatible, mock).

OTT Retention Intelligence — Transformer + Causal Uplift | Jan 2026 – Present
PyTorch, Transformers, Causal Inference, scikit-learn, Git | github.com/VISHNU4718/ott-causal-llm

- Built a SASRec-style transformer and T-Learner/X-Learner uplift models for retention interventions; achieved 0.82 correlation with ground-truth treatment effects.

FaceMatcher — Real-time AI Face Recognition (team of 2) | Jun 2025 – Dec 2025
FastAPI, React.js, TypeScript, OpenCV, DeepFace, TensorFlow, SQLite, WebSockets, computer vision | github.com/VISHNU4718/FaceMatcher

- Shipped video analytics with 128-d embeddings, ~6 FPS WebSocket live matching across a 300-second timeout, 7-state emotion classification, and a 13-component TypeScript React dashboard.

UniShare — Secure File Sharing Platform | Jan 2025 – May 2025
React.js, FastAPI, MongoDB, Docker, WebRTC, AWS, GitHub Actions CI/CD, writing tests | github.com/VISHNU4718/Unishare

- Built WebRTC P2P and QR sharing with 16 KB chunking for files over 500 MB; RSA-2048/AES-128 storage; 3-tier Docker Compose on AWS; pytest auth tests and GitHub Actions CI/CD on every push.

CERTIFICATIONS

- Palo Alto Cyber Security Virtual Internship — EduSkills (Feb 2026 – Apr 2026)
- Data Science & Analytics — HP Foundation (2026)
- Fundamentals of LLMs / The LLM Course — Hugging Face (2026)
- Java & Python Essentials — LinkedIn Learning (2026)