SHRRI DHARSHAN D R

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Professional Summary

Final-year B.Tech CSE student at VIT Chennai with hands-on experience building AI and software projects — including a document management system, an AI question-answering pipeline, and an audio summarization tool. Reduced AI error rates from 31.4% to 14.6% through self-correction techniques. Oracle Cloud AI Certified with 88% score. Proficient in Python, FastAPI, and machine learning libraries.

Education

Vellore Institute of Technology (VIT), Chennai
B.Tech in Computer Science Engineering – Cyber Physical Systems *2023 – 2027*

Projects

SecureDoc-LI | *AI-Enabled Secure Document Management System* 2026

- *FastAPI · Python · Machine Learning · Encryption · MFA · SQL · Database*
- Built a full-stack legal document management platform with AI-based document classification, semantic search, sensitive information extraction, AES-256 encryption, and a tamper-proof audit trail.
- Implemented role-based access control with six user roles, document risk scoring, and AI-assisted email alerts for unauthorized access attempts.

CorrectiveRAG | *AI-Powered Self-Correcting Question Answering System* Jan – Apr 2025

- *Python · LangGraph · LLaMA 3 · Vector Database · AWS EC2*
- Built an AI pipeline that automatically checks its own answers for accuracy and searches the web when needed — reduced error rate from 31.4% to 14.6% and improved answer accuracy by 11.2 points on a standard benchmark.
- Deployed on AWS cloud with a web interface; uses a vector database for document storage and a local AI model for text generation.

Meeting Summarizer | *AI Audio Transcription & Summarization Tool* 2026

- *FastAPI · Python · Groq API · Speech Recognition · Audio Processing*
- Built a tool that automatically converts meeting recordings into structured summaries covering attendees, decisions, action items, and blockers — processes a 30-minute recording in roughly 8 seconds.
- Implemented audio compression and splitting for large files, along with a multi-model fallback system to ensure reliable performance.

Mini Projects: AI Story Generator, QR Code Generator, Pixel Art Board, BMI Calculator

- All live on GitHub.

Technical Skills

Languages: Python, JavaScript, C++ (Intermediate), Java (Basic)
AI & Machine Learning: Machine Learning, Natural Language Processing, AI Pipelines, Speech Recognition, Vector Search, Prompt Engineering
Backend & Cloud: FastAPI, REST APIs, AWS, Oracle Cloud (OCI), SQL, Databases, Encryption, Authentication, Access Control
Frontend & Tools: React, JavaScript, HTML/CSS, GitHub, Figma

Certifications

Oracle Cloud Infrastructure 2025 Certified AI Professional — Oracle University *Score: 88% | Jul 2026*
Introduction to Artificial Intelligence — LinkedIn Learning *Sep 2025*
Ethics in the Age of Generative AI — LinkedIn Learning *Sep 2025*
Wireshark Crash Course for Beginners — Musab AlZayadneh *Nov 2025*

Leadership & Extracurriculars

Vice President – Fitness Club, VIT Chennai

Apr 2025 – Present

- Oversaw day-to-day operations of a 100+ member fitness community; coordinated workshops and fitness events in partnership with faculty advisors and external trainers.