

DIYA VINOD

ASPIRING AI & SOFTWARE ENGINEER | TURNING IDEAS INTO INTELLIGENT APPLICATIONS

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PROFESSIONAL SUMMARY

Aspiring Engineer focused on building real-world LLM-powered applications, including multilingual voice-based AI systems and intelligent platforms. Experienced in developing end-to-end AI solutions using FastAPI, NLP, and modern AI APIs, with a strong emphasis on usability, scalability, and impact.

EDUCATION

KIT - Kalaignarkaranidhi Institute of Technology 2024 - 2028
B.E. - CSE (Artificial Intelligence and Machine Learning) - 2nd year Current CGPA - 9.06/10

PROJECTS

VaidyaAI - <https://vaidyaai-frontend.onrender.com/>

Built a voice-first multilingual LLM-powered healthcare assistant for early symptom analysis and medical triage. Supports 12 diverse languages via speech input with AI-based severity detection, hospital suggestions, and doctor-ready summaries. Implemented LLM-based workflows for medical reasoning, severity check, and structured response generation.
Tech: React, TailwindCSS, FastAPI, Python, NLP, Speech APIs

ReLaunchAI - <https://relaunchai.streamlit.app/>

Built an AI platform helping women restart careers after breaks with personalized guidance. Features skill gap analysis, resume generation, interview coaching, 30-day roadmap, and returnship discovery using AI.
Tech: Python, FastAPI, Streamlit, NLP, AI APIs

NutriTrack - Online Meal Planner and Nutrition Tracker (MERN)

Built a full-stack nutrition tracker with user authentication, food logging, and goal-based recommendations. Implemented REST APIs and MongoDB for storing user data and analytics.
Tech: React, Node.js, Express, MongoDB

RentWise

Developed a full-stack rent prediction system using ML with interactive frontend and FastAPI backend. Deployed XGBoost model with API endpoints and data visualization.
Tech: React, FastAPI, Python, XGBoost

Browser Productivity Extensions (Chrome MV3)

Built multiple Chrome extensions focused on productivity, mindful browsing, and learning enhancement using Manifest V3

FocusGuard - Intentional Browsing Assistant

Developed a behavioral Chrome extension that reduces mindless scrolling on platforms like YouTube, Instagram, and Reddit by enforcing intent-based browsing

LeetCode Victory Engine

Built a gamified Chrome extension that enhances LeetCode problem-solving with real-time motivational feedback and celebration effects. Detects submission outcomes and triggers contextual quotes and confetti-based UI reactions. Includes a library of 200 motivational quotes across multiple performance states

QuickNotes - Per Website Notes

Developed a Chrome extension enabling users to create, edit, and manage persistent notes per website domain. Implements local storage-based data persistence with real-time editing and character tracking

TECHNICAL SKILLS

- Programming Languages: Python, C++, JavaScript
- Frontend Development: React, Vite, TailwindCSS, HTML5, CSS3
- Backend Development: Node.js, Express.js, FastAPI
- Databases: MongoDB, MySQL
- AI / Machine Learning: NLP, LLM APIs, XGBoost, Scikit-learn
- APIs & Tools: REST APIs, Web Speech API, Chrome Extensions API
- Tools & Platforms: Git, GitHub, Postman, Vercel, Render

ACHIEVEMENTS

- Solved 1300+ DSA problems across CodeChef, LeetCode, and Codio
- CodeChef: 2★ Coder (Division 3) with a peak rating of 1467
- LeetCode: Rating 1748, with consistent participation in weekly contests
- Student Ambassador at AdyaAI, KIT - contributed to outreach and engagement for AI initiatives

CERTIFICATIONS

- Get Started with Python - Google (Coursera)
- Python Essentials 1 & 2 - Cisco NetAcad
- Fundamentals of Deep Learning - Nvidia
- Deep Learning & Reinforcement Learning - IBM
- Problem Solving Through Programming in C - NPTEL
- Basics of Data Structures and Algorithms - Simplilearn
- 5-Day AI Agents Intensive Course with Google - Kaggle (Google)
- AWS Cloud Quest: Cloud Practitioner