

VIJAYAKANTH M

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OBJECTIVE

An engineering student who is eager to apply technical skills and problem-solving strategies in real-world projects in order to get valuable experience and contribute significantly in demanding and creative environments.

EDUCATION

B.Tech - Artificial Intelligence and Machine Learning, Expected 2027
Kongu Engineering College, Erode with CGPA: 8.62* **Coursework:** Python, JAVA, C, and JavaScript.

HSC in Computer Science , Kongu vellalar Matriculation hr.sec.school, Perundurai with 94%. 2022 - 2023
SSLC, Kongu vellalar matriculation hr.sec. school, Perundurai, Erode. 2020 - 2021

SKILLS

Technical Skills	C, Python, Java, HTML, CSS, JavaScript, React.js, Node.js, Express.js, MySQL, MongoDB, Machine Learning
Tools	Git, GitHub, Blender
Soft Skills	Communication, Teamwork, Problem-solving
Languages	Tamil, English

EXPERIENCE

Intern Nov 2024 - Jan 2025
ZEONE

- Gained practical knowledge in Full Stack development as part of a program conducted by Zeone.
- Worked on back-end development using Node.js for an AI Interview Chatbot.

Intern Mar 2025 - May-2025
SHINELOGICS

- Gained practical knowledge in Deep Learning models as part of a program conducted by Shinelogics.
- Worked on real-time projects involving Deep Learning applications, including the prediction of fruits and vegetables.

Intern Jul 2025 - Present
TWINCORD TECHNOLOGIES

- Completing assigned tasks and completing modules as per the mentor guidance.

PROJECTS

Refined CAPTCHA. Aug 2024 - Nov 2024
An advanced bot detection system that replaces traditional CAPTCHAs with machine learning analyzing user interaction patterns (mouse movements, typing speed) to distinguish humans from bots while being less frustrating for users.

Classify Songs by Genre. Aug 2024 - Dec 2024
A machine learning model that analyzes audio features (tempo, frequency spectrum) to automatically categorize music tracks into genres like rock, jazz, or classical with 85%+ accuracy.

Feedback Collection System. Aug 2024 - Dec 2024
Developed and implemented a student feedback system using Java Spring Boot, allowing students to submit and view course evaluations.

Dynamic Chatbot for Farm2Bag.

Feb 2025 - Feb 2025

Worked on a project to develop a chatbot that dynamically utilizes website data to assist users in finding products and providing recommendations. Implemented data preprocessing, natural language processing.

Attendance Automation System.

Feb 2025 - May 2025

Developed an attendance automation system using the MERN stack, reducing the manual attendance process from 1.5 hours to just 10 minutes. Implemented efficient data handling, real-time updates, and a user-friendly interface to streamline attendance tracking.

Fruit and Vegetable Identifier.

Mar 2025 - May 2025

Built a real-time fruit and vegetable recognition system using Flask, Groq LLM, and image embeddings to identify fruits or vegetables from uploaded images. Integrated LLM-based visual inference with semantic similarity for accurate classification from a predefined label set.

Visualizing Math – AI for Learning.

Apr 2025 - Apr 2025

Built a personalized math tutor chatbot using NLP and adaptive learning to adjust difficulty, visualize equations, and track progress. Integrated smart scheduling and Q&A via Telegram/web app for assignment and exam reminders.

DCGRAM – Instagram Clone.

Jan 2025 - Apr 2025

A fully functional social media platform with, comments, followers system, and secure login - replicating core Instagram features with MERN stack.

AI Code Vulnerability Detector.

May 2025 - May 2025

Developed an AI-powered code vulnerability detector with an online editor, integrated chatbot, and Telegram bot support. The system answers coding queries, detects vulnerabilities in real time, and provides customized, secure code suggestions.

AI Stock Portfolio Manager.

May 2025 - Jun 2025

Analyzes investment portfolios by processing CSV exports from brokerages, generates performance charts, and provides AI-generated insights using market data and Groq's LLM.

AREA OF INTEREST

- Web Development
- Machine Learning
- Animation
- Video Editing

CERTIFICATE

- MongoDB Associate Developer (Jan 2025 - Feb 2025)
- Ethical Hacking - NPTEL (Jul 2024 - Oct 2024)

ACHIVEMENTS

- Secured 2nd Place in 2023 Academic Excellence Award - Kongu Vellalar Trust.
- Secured 1st place in Hacksphere 2025(24hr Hackathon) - AI Coding club (Feb 2025).
- Secured 3rd place in AUTONIX 2024 Paper Presentation(KEC college) (Oct 2024).
- Secured 1st Place in PRODOTHON 2025 Paper Presentation(PSG college) (Mar 2025).
- Secured 1st place in ENVISTAS 2025 Paper Presentation(KEC college) (Feb 2025).
- Awarded Best Presentation and Best Team Collaboration in BYTS INDIA HACKATHON (BIH) 1.0 - Artificial Intelligence (KEC college) (Apr 2025).