

Vignesh Eligeti

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EDUCATION

CMR College of Engineering and Technology

Hyderabad

Bachelor of Technology in Computer Science (Artificial Intelligence and Machine Learning)

Nov 2021 – May 2025

EXPERIENCE

Freelance Developer

Feb 2024 – Oct 2024

CrewLabs

Hyderabad

- Led Backend and Deep learning development for projects like **Medical Hunt**, driving efficiency and scalability.
- Engineered a full-stack web application using Flask, MongoDB, and Docker to analyze college medical data.
- Architected a machine learning platform for NEET seat allocation, improving recommendation accuracy by **92%**.
- Delivered a **14-fold revenue** for the client through usability enhancements and performance optimizations.

PROJECTS

Influencer Marketing | *Python, Django, Machine Learning, REST API, PostgreSQL*

Jan 2025 – Present

- Built a scalable influencer marketing platform connecting businesses with influencers for custom campaigns.
- Integrated secure authentication mechanisms using Django, UUID-based sessions, and CSRF tokens.
- Role-based dashboards for product listings, profile management, and analytics, enhancing user engagement.
- Integrated machine learning models to recommend optimal influencer-brand matches based on historical data.

Medical Hunt | *Python, Flask, MongoDB, Machine Learning, Docker*

Feb 2024 – Oct 2024

- Constructed a platform to match students with colleges based on rankings, categories, and preferences.
- Processed over **700+** user profiles, achieving **92%** recommendation accuracy
- Optimized backend architecture using Flask and Docker for scalability and high performance under heavy workloads.

SAMAM Mental Peace | *Python, Machine Learning, REST API, Django, SQLite*

May 2023 – Dec 2023

- Created a virtual mental health assistant delivering personalized recommendations based on clinical assessments.
- Analyzed over **5000** clinical assessments, achieving **97%** predictive accuracy for identifying mental disorders.
- Deployed REST APIs for seamless integration with external platforms, enhancing accessibility for users.

Dynamic Length Optimization | *Streamlit, TensorFlow, OpenCV, AI*

Oct 2023 – Jan 2024

- Devised an AI-powered solution to optimize packaging length, reducing material waste by **30%**.
- Constructed predictive models using TensorFlow and OpenCV to analyze packaging dimensions in real time.
- Launched an interactive dashboard with Streamlit for real-time insights into packaging efficiency metrics.

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, JavaScript, R, SQL (PostgreSQL, MySQL)

Web Technologies: HTML, CSS, JavaScript, REST API, GraphQL

Frameworks & Platforms: Flask, Django, Spring Boot, Hibernate, Node.js, Streamlit, TensorFlow, PyTorch

Databases: PostgreSQL, MySQL, MongoDB, Firebase, SQLite

Developer Tools: Git, GitHub, Docker, Kubernetes, Maven, Gradle, Jupyter Notebook

Libraries & Data Science: NumPy, pandas, Matplotlib, Scikit-learn, TensorFlow, OpenCV, NLTK

Cloud Platforms: AWS (EC2, S3, Lambda), Google Cloud Platform (GCP), Azure

Algorithms & Data Structures: Graphs, Dynamic Programming, Sorting, Searching, Trees, Hashing.

Certifications: Professional Certification in Machine Learning, Deep Learning with TensorFlow, Full Stack Web Development

EXTRACURRICULAR ACTIVITIES

Board Member, Entrepreneur Club: Led the technical team in organizing hackathons and innovation events.

Winner, Hacker the Verse Hackathon: Secured first place at CMRIT campus for developing an innovative tech solution.

LeetCode Enthusiast: Successfully solved over 400 coding problems, honing problem-solving and algorithmic thinking skills.