

Megavath Venkatesh

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• <https://github.com/megavathvenkatesh>

EDUCATION

Narayana junior college

Hyderabad, Telangana

High School

2018-2020

IIIT DM Kancheepuram

Chennai, Tamilnadu

B.tech in Mechanical Engineering

2021-2025

Coursework: DBMS, Data Science, Computer Networks, Machine Learning, Robotics, Python, C, Product Design, Manufacturing, Data Structure.

Projects

Edusity Learning Platform

<https://edusity-proj.vercel.app/>

- Developed a comprehensive web application using HTML, CSS, and JavaScript. Included detailed information on university professors, academic programs, and campus facilities, along with a gallery of campus photos.

Food Delivery app – Tomato

<https://food-delivery-37mx.vercel.app/>

- Experience culinary convenience at its finest with our professionally crafted food delivery platform, meticulously designed using HTML, CSS, and ReactJS. Seamlessly navigate through our user-friendly login and signup features to unlock a world of culinary delights.

Library Management System

<https://cosmocloud-1-x4bl.onrender.com/>

- Developed and implemented RESTful **APIs** for a Library Management System using FastAPI, ensuring accurate request and response structures.
- Integrated MongoDB Atlas as the database, utilizing PyMongo/Motor for efficient database interactions.
- Optimized API performance by refining database queries and endpoints, resulting in faster data retrieval and improved application efficiency.

WORK EXPERIENCE

Local farmers

Benguluru, Karnataka

Web developer

6/2024 – 7/2024

- Enhanced user interface and performance** by utilizing Next.js, TypeScript, and Tailwind CSS, resulting in a **20% increase in user engagement** and a **30% reduction in page load times**.
- Integrated REST API functionalities**, improving data retrieval processes and achieving a **40% faster response time** for user requests.
- Ex: **Developed reusable components** and modular code, leading to a **50% reduction in development time** for future features and updates.

Exposys dataLabs

City, State

Web developer

1/2024- 2/2024

- Developed an entropy-based detection system** to identify DDoS attacks, achieving a **90% detection accuracy** by analyzing the randomness of incoming data packets.
- Implemented a Flask server and packet sniffer** to monitor network traffic and compute packet entropy, leading to a **50% reduction in false positives** compared to traditional methods.
- Enhanced system reliability** by integrating numpy and scipy for entropy computation, ensuring **real-time attack detection** and improved server accessibility for legitimate users

Skills

Languages and Frameworks: Python, Java, C++ (basic), SQL, MongoDB, React, REST API's , FAST API.

Technical Skills: Frontend developer, Backend developer, Full Stack developer, Object Oriented Programming, Operating Systems , AWS.

Tools: Visual Studio, VSCode, Kaggle, Postman, Power BI, Git, MySQL