Enosh Joseph P A

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📍Kochi, Kerala

Profile Summary

MCA student and full stack/ML developer with experience building scalable web and machine learning applications using React.js, Spring Boot, Python, and distributed backend systems. Strong foundation in algorithms, data structures, Unix/Linux, and software engineering principles. Built end-to-end systems like SmartCity 360 and Traffic Volume Prediction (ML + real-time APIs). Skilled in debugging, optimization, and cross-team collaboration. Eager to build high-scale systems and contribute to world-class engineering teams.

Education

Mar Athanasius College Of Engineering, Kothamangalam   August 2024 – May 2026
Master Of Computer Applications   *CGPA: 7.79*

St. Alberts' College (Autonomous), Ernakulam   June 2021 – March 2024
Bachelor Of Science in Computer Science

St. Philominass Hss Koonammavu   June 2019 – March 2021
Higher Secondary Education(Bio Maths)

Holy Infants' Boys High School, Varapuzha   Year of Passing: 2019 –
Secondary Education(State)

Internship Experience

Backend Developer Intern, Topscore Solutions Pvt Ltd, Ernakulam, Kerala   *June , 2025 – July , 2025*

- Implemented backend modules using .NET, PostgreSQL, and REST APIs.

- Improved API performance via optimized queries and structured service architecture.

- Performed debugging, unit testing, and participated in Agile sprints and code reviews.

- Collaborated with senior engineers to design scalable backend features.

- **Technologies Used:** .NET, PostgreSQL, REST APIs, Git, Visual Studio, Agile

Skills

Programming Languages: C, Python, Java, Dart
Systems & Tools: Unix/Linux, TCP/IP Networking, Git, Postman, Nmap
Web Technologies: HTML, CSS, , JavaScript
Frameworks : React.js, Node.js, Spring Boot
Databases: MySQL, PostgreSQL
ML Stack: K-Nearest Neighbors (KNN), K-Means Clustering, Linear Regression, Logistic Regression, Decision Trees, Train/Test Split, Model Evaluation Metrics (accuracy, confusion matrix)
Soft Skills: Problem Solving, Team Collaboration, Agile Methodology, Technical Documentation

Projects

Traffic Volume Prediction Based on Weather & Time Features   2025
Machine Learning Prediction System   Python, XGBoost, Streamlit, OpenWeather API

- Designed and deployed an ML system predicting hourly traffic volume 5 days in advance using weather-forecasted inputs.

- Designed the solution for traffic officers and city planners to support congestion management and planning decisions.

- Optimized feature engineering and XGBoost hyperparameters to improve prediction accuracy.

- Helps authorities predict vehicle flow ahead of time, reducing congestion and enabling better traffic signal planning.

SmartCity 360   2025
Large-Scale Destination & Event Management System   React.js, Spring Boot (Maven), JPA, MySQL, REST APIs
- Developed a scalable full-stack platform for managing destinations, events, and schedules for smart cities.
- Built REST APIs with Spring Boot enabling CRUD operations, image uploads, and event timing validations.
- Implemented modular backend architecture using DTOs, layers (controller $\rightarrow$ service $\rightarrow$ repository), and MySQL.
- Designed responsive UI with React.js for admin operations.

Sports Cart   2024
Full-stack mobile application for sports equipment e-commerce   Python, Django, MySQL
- Built a mobile-ready e-commerce app for sports retailers.
- Implemented role-based authentication (Admin, Retailer, User).
- Designed secure product management and ordering modules. .

Achievements

- Secured first place in Web Designing (HTML, CSS, and JavaScript) competition at Naipunya College.

- Achieved Gold teir in the *Go for Gold* competition conducted by Accenture.

Workshop & Certifications

Postman API Fundamentals Student Expert, Postman

JioCinema React Clone Bootcamp - Google Developers Group, N S D C, ITM Edutech training Pvt.Ltd

Internet of Things Workshop, Mar Athanasius College of Engineering & Ernst & Young (Feb–Mar 2025).

Participated two day workshop entitled "Cybersecurity Ethical Hacking" conducted by Techbyheart at St. Albert's College (Autonomous), Ernakulam