Shreeharsha N L

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Education

The National Institute of Engineering, Mysuru 2023–2027
B.E. Information Science and Engineering — CGPA: **8.66/10**

Skills

- **Programming:** Java, Python, JavaScript, C
- **Backend Development:** Node.js, Express.js, REST API Design
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Core CS:** Operating Systems, Data Structures & Algorithms, DBMS, Computer Networks
- **Tools:** Git, GitHub, Docker, Postman
- **Concepts:** JWT Authentication, API Testing, REST Architecture, CI/CD Basics

Projects

AI-Powered Inventory Forecasting & Management System
Tech Stack: PostgreSQL, Docker, REST APIs, JWT Authentication

- Developed a full-stack inventory management platform integrating machine learning-based demand forecasting and inventory monitoring.
- Built forecasting models using XGBoost and SARIMA to predict product demand using seasonal, lag, and rolling statistical features.
- Implemented stock alerts, reorder calculations, and analytics dashboards.
- Developed REST APIs with JWT authentication and integrated PostgreSQL and Docker for backend operations.

Student-Centric Freelancing Platform
Tech Stack: Node.js, Express.js, MongoDB, JWT, Postman

- Developed a full-stack web platform enabling students to offer services and manage freelance tasks.
- Built REST APIs using Node.js and Express.js with authentication and role-based access.
- Designed MongoDB schemas and handled request validation and error handling.
- Tested APIs using Postman to ensure correct functionality and reliability.

Lead Flow Management Platform
Tech Stack: Node.js, Express.js, MongoDB

- Developed a backend system to track and manage business leads through lifecycle stages.
- Implemented role-based access control and efficient data handling using MongoDB.
- Designed and tested REST APIs for lead creation, updates, and tracking workflows.

Leadership & Activities

- Design Lead, NIE IUCEE Student Chapter — Led design initiatives and coordinated technical events.