D K VIJENDRA KUMAR

📞 +91-8951742951 ✉ dkvijendra04@gmail.com in LinkedIn 🌐 Portfolio GitHub

Summary

Full-stack developer with expertise in web development, API integration, and creating scalable, performance-driven applications. Adept at building responsive solutions and collaborating effectively in team environments to deliver user-centric products.

Skills

Languages: JavaScript, TypeScript, Python, C/C++
Fundamentals: OOPs, OS, Data Structures & Algorithms, REST APIs
Frontend: React.js, HTML5, CSS3, Tailwind CSS
Backend: Node.js, Express.js, PHP, **Cloud Computing:** AWS
Databases: MongoDB, SQL
Tools: Git, GitHub, OpenCV, PyTorch, Pandas, NumPy

Experience

Full-Stack AI Intern   May 2025 – June 2025
IIITDM Kancheepuram
  – Utilized a pre-existing sensor setup to collect and analyze ~500 milk samples for fat content estimation.
  – Built regression models (linear & polynomial), achieving **91% accuracy**, validated against Gerber method.
  – Developed a full-stack application with Express.js APIs and React.js UI for real-time prediction and visualization.

Projects

MERN Task Distributor – Full-Stack Web App   GitHub
React.js, Node.js, Express.js, MongoDB, JWT
  – Engineered **3-tier hierarchy system** (Admin→Agent→Sub-agent) with role-based CRUD operations
  – Implemented **JWT authentication** and granular access controls for secure multi-level access
  – Automated **CSV/XLSX bulk upload** where Admin assigns to Agents, and Agents distribute to Sub-agents
  – Built **real-time admin dashboard** for system-wide monitoring and duplicate detection
  – Developed **responsive agent portals** with task management and sub-agent administration
  – Deployed with **MongoDB Atlas** and optimized REST APIs for scalable performance

AI Appointment Scheduler – NLP & OCR System   GitHub
Node.js, Python, Flask, EasyOCR
  – Built intelligent system processing natural appointment requests using OCR and entity extraction with 85%+ accuracy.
  – Architected microservices with Node.js API gateway and Python AI services for text/image input processing.
  – Implemented date/time normalization, confidence scoring, and guardrail system for ambiguous inputs.
  – *Tech Stack: Node.js, Express, Python, Flask, EasyOCR, REST APIs, Microservices*

MERN Book Review App – Full-Stack Web Application   GitHub
React.js, Node.js, Express.js, MongoDB, JWT
  – Developed a full-stack MERN application enabling users to register, log in, browse books, and write/edit/delete reviews with JWT-secured authentication.
  – Built personalized dashboards for review history and implemented admin-only book management (Add/Edit/Delete).
  – Integrated protected routes, search functionality, and genre-based filters for enhanced user experience.
  – *Tech Stack: React.js, Node.js, Express.js, MongoDB, JWT, Axios, React Router, Custom CSS*

Awards & Certifications

- **NPTEL Certifications (2025):** Silver medal in 'Programming in Java' and 'Joy of Computing using Python'.
- **National Road Safety Hackathon (2024):** Certificate from the National Highways Authority of India.
- **Power BI for Data Visualization:** Completed Power BI workshop and earned certification.

Education

IIITDM Kancheepuram   Expected: 2026
College, Chennai