ADARSH K

Full Stack Developer

📍 Bengaluru, India | 📞 +91 6362162926 | ✉ adarshk6678@gmail.com | 🔗 linkedin.com/in/adarshk0216 |
🐙 github.com/adarshk0070 | </> leetcode.com/u/Adarsh0070

Professional Summary

Full Stack Developer (MERN) with strong experience in building scalable web applications, secure authentication systems, and end-to-end ML-powered solutions. Skilled in React, Node.js, MongoDB, SQL, and Python ML workflows. Experienced in designing REST APIs, database schemas, and cloud-ready architectures across healthcare, e-commerce, and finance domains. Adept at solving complex problems, optimizing performance, and delivering production-ready solutions.

Professional Experience

Rubixe, Bengaluru   Jan 2025 – Sep 2025
Data Science Intern

- Improved ML model accuracy by **12%** across **5+** datasets through feature engineering and hyperparameter optimization.
- Built modular ML experimentation pipelines in Python, reducing prototype development time by **30%**.
- Created and delivered **4+** SQL dashboards and performance reports, enabling data-driven insights and supporting key decision-making.

Education

Christ Academy for Advanced Studies, Bengaluru   2023 – 2025
Master of Computer Applications (MCA)

Krupanidhi Group of Institutions, Bengaluru   2020 – 2023
Bachelor of Computer Applications (BCA) — **CGPA: 7.0/10**

Key Projects

NEUROLYTICS – AI-Powered Brain Tumor Detection Platform   Jun – Aug 2025

- **Tech Stack:** React, Node.js, MongoDB, FastAPI, Python (VGG16), JWT, Socket.IO, WebRTC
- Developed a full-stack medical imaging platform using a **VGG16 CNN model f**or MRI tumor detection.
- Implemented **role-based JWT authentication**, secure file handling, and encrypted report storage.
- Integrated **Google Gemini AI** to generate automated medical summaries, improving doctor–patient communication.
- 🐙 GitHub Repository: NEUROLYTICS

E-Commerce Platform (MERN Stack)   Feb – May 2025

- **Tech Stack:** React, Node.js, MongoDB, JWT, Socket.IO, WebRTC.
- Built secure authentication with **JWT + role-based access controls** (Admin/Staff/Customer).
- Developed dynamic **cart, checkout, and order management** modules backed by **MongoDB Aggregation Pipelines** for real-time inventory updates.
- Reduced DB read operations by **28%** via optimized indexing & API caching.
- 🐙 GitHub Repository: NexusBuy

Technical Skills

Programming: C/C++, Java, Python
Frontend: React.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Tailwind CSS, Bootstrap
Backend: Node.js, Express.js, PHP, JWT Authentication, RESTful API Development

Database: MongoDB, MySQL
Tools & Platforms: Git, GitHub, Docker, VS Code
Soft Skills: Problem Solving, Debugging, Team Collaboration, Agile Workflow

Certifications

- **Full-Stack Web Developer** — LinkedIn Learning
- **Node.js Development** — Udemy
- **Software Engineering Virtual Experience** — JPMorgan Chase & Co.