Yonadhan M M

Changanacherry, Kottayam

+91-9349474463 yonadhan.mm.dev@gmail.com

github.com/YONADHAN linkedin.com/in/yonadhanmm yonadhan.online

EDUCATION

TKM College of Engineering, Kollam, Kerala **2021 – 2024**
B.Tech in Electronics and Communication Engineering ***CGPA**: 7.7*

St. Berchmans Higher Secondary School, Kottayam, Kerala **2017 – 2019**
Plus Two (Biology) ***Percentage**: 85.5*

SKILLS

- Python
- JavaScript
- Typescript
- MongoDB / MongoDB Atlas
- MySQL / SQL
- Clean Architecture
- MVC Architecture
- React
- Redux toolkit
- Express.js
- Node.js
- Tailwind CSS
- Bootstrap
- DSA
- Razorpay Integration
- JWT Token Integration

TRAINING

Full Stack Developer Bootcamp **July 2024 - January 2025**
Self-Learning and Project Development *Kerala, India*

- Completed intensive training in MERN stack (MongoDB, Express.js, React.js, Node.js) and built full-stack projects.
- Developed a scalable E-commerce web application with features like product filtering, cart, payments, admin panel, and Google Authentication.
- Applied data structures and algorithms (arrays, linked lists, stacks, queues, graphs, dynamic programming) to solve coding problems and improve problem-solving skills.
- Focused on writing clean, maintainable code with modern JavaScript frameworks and CSS (Tailwind CSS).
- Gained hands-on experience in building responsive, user-friendly websites and working with REST APIs.

PROJECTS

OceanOfLaptops (Ecommerce WebApp) | MERN STACK **2023 - 24**

- Developed a modern e-commerce platform with user-friendly design and advanced features.
- JWT-based authentication with refresh token support.
- Integrated Google authentication for secure and convenient user login.
- Database integration with MongoDB.
- Optimized state management with Redux for efficient data handling.

Integrated Vehicle Health Management (IVHM) System
FPGA, Real-Time Systems **Jun 2023 – Feb 2024**

- Collaborated with TKM College of Engineering and Vikram Sarabhai Space Centre to develop a real-time IVHM system for launch vehicles.
- Implemented adaptive limit checks, sensor arrays, and diagnostic algorithms for early anomaly detection.
- Enhanced launch vehicle safety, reliability, and mission success through proactive monitoring.
- Published in *International Research Journal on Advanced Science Hub*, Vol. 06, Issue 03, March 2024.
- DOI: 10.47392/IRJASH.2024.007

TECHNICAL SKILLS

Languages: JavaScript, Python,TypeScript
Technologies/Frameworks: React, Redux, Node.js, Express.js, MongoDB, PostgreSQL, Tailwind CSS, Firebase
Developer Tools: VS Code, Git, Docker, Postman, Figma, Canva
Others: JWT Token Integration, Razorpay

CODING PLATFORMS

- Solved Problems on **LeetCode**. https://leetcode.com/u/yonadhanmm77/
- Solved Problems on **HackerRank**. https://www.hackerrank.com/profile/yonadhanmm0

PUBLICATIONS

Launch Vehicle Integrated Health Management System Model | IRJASH, Vol. 6, Issue 3 **Mar 2024**

- Co-authored a research paper in collaboration with VSSC and TKM College, focusing on real-time Integrated Vehicle Health Management (IVHM) systems for launch vehicles.
- The system uses sensor-based data acquisition with adaptive limit checking for fault detection, enhancing safety and enabling proactive maintenance.
- Published in the *International Research Journal on Advanced Science Hub (IRJASH)*. DOI: 10.47392/IRJASH.2024.007

CERTIFICATIONS

- The Complete Python Bootcamp From Zero to Hero in Python – Jose Portilla, Udemy (Completed on 09/11/2023)
- The Complete JavaScript Course 2025: From Zero to Expert! – Jonas Schmedtmann, Udemy (Completed on 12/20/2023)