

BARATH Y

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SUMMARY

Leveraging expertise in full-stack web development, particularly within the MERN stack, with hands-on experience in delivering innovative web solutions. Dedicated to enhancing user experiences through responsive design and real-time features, with a focus on creating transformative applications that integrate modern technologies for impactful digital interactions.

TECHNICAL SKILLS

Programming Languages: Java, C++, JavaScript.

Frontend: HTML, CSS, Bootstrap, React.js, Tailwind CSS, jQuery.

Backend: Node.js, Express.js, EJS, JWT, Socket.IO, REST APIs.

Databases: MongoDB, MySQL, Redis.

Tools & Technologies: Git, GitHub, GitLab, Postman, Docker, Figma, Notion, Render, Vercel.

PROJECTS

NFT Marketplace – Decentralized NFT Trading Platform

GitHub

- Solved NFT market centralization by building a decentralized platform using Internet Computer and Motoko, enabling direct peer-to-peer NFT trading with transparent ownership and data permanence.

Technologies Used: React.js, JavaScript, Material-UI, Internet Computer, Motoko, Candid, Canisters

Chat Application – Real-Time Messaging Platform

Live Link | GitHub

- Developed a real-time chat app with media sharing and Socket.IO integration, ensuring fast, bidirectional communication between users with a responsive frontend.

Technologies Used: React.js, Node.js, Express, MongoDB, Socket.IO, JWT, Cloudinary, Tailwind CSS, DaisyUI

Shoppy – Full-Stack E-Commerce Application

Live Link | GitHub

- Engineered a MERN-based e-commerce platform with secure JWT authentication, AI chatbot, and admin dashboard, achieving 99.9% uptime and robust transaction handling.

Technologies Used: React.js, Node.js, Express.js, MongoDB, Redux Toolkit, JWT, PayPal SDK, Tailwind CSS, Socket.IO, FastBots AI

EXPERIENCE

Participant – Smart India Hackathon 2023

Dec 19 – 20, 2023

Ministry of Education, Government of India

Onsite

- Engineered a blockchain data compression algorithm utilizing Huffman coding, enhancing network transfer rates by 40% and reducing storage costs by 25% across real-time decentralized systems.

EDUCATION

RMK Engineering College

2022 – 2026

B.Tech in Computer Science and Engineering

CGPA: 7.9 / 10

Vellayan Chettiar Higher Secondary School

2020 – 2022

HSC (Computer Science Group)

Percentage: 83%

Vellayan Chettiar Higher Secondary School

2014 – 2019

SSLC

Percentage: 75.2%

CERTIFICATIONS

- Udemy – Successfully Completed The Web Development BootCamp course taught by Dr. Angela Yu.
- Udemy – Successfully Completed The MERN From Scratch 2023 course taught by Brad Traversy.