BARATH Y

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SUMMARY

Full-stack web developer skilled in the MERN stack, with hands-on experience building responsive and real-time web applications. Passionate about solving interesting problems and delivering user-friendly solutions. Exploring decentralized applications and blockchain technologies to build modern and impactful digital experiences.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript.

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

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

Databases: MongoDB, MySQL, Redis.

Tools & Technologies: Git, GitHub, Postman, Docker, 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: 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: 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: React.js, Node.js, Express.js, MongoDB, Redux Toolkit, JWT, PayPal SDK, Tailwind CSS, Socket.IO, FastBots AI

CertChain — Blockchain Document Verification System   GitHub
- Built a decentralized certificate verification platform on Internet Computer using Motoko, eliminating academic credential fraud with blockchain immutability and SHA-256 verification.

Technologies: Next.js, JavaScript, CSS Modules, Internet Computer, Motoko, Blockchain, Canisters, SHA-256, Internet Identity

EXPERIENCE

Finalist – 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%.

Web Development Intern – CannyMinds Technology Solutions Pvt. Ltd.   June 2024
Chennai, India (Offline)
- Gained hands-on experience in full-stack web development by working on team projects, learning modern web technologies and best practices.

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)   *83%*
Vellayan Chettiar Higher Secondary School   2014 – 2019
SSLC   *75.2%*

CERTIFICATIONS & ACHIEVEMENTS

Udemy – Completed The Web Development BootCamp (Angela Yu).
Udemy – Completed MERN From Scratch 2023 (Brad Traversy).
1st Prize – Prototype Parade, RMD Engineering College (March 17, 2025).
2nd Prize – Project Presentation Competition, RMK Engineering College Tech Club (March 1, 2025).
2nd Place – Paper Presentation, Prathyusha Engineering College.
Participated in Hacktivate 24-Hour Hackathon organized by GeeksforGeeks at Anurag University (February 6–7, 2025).