HARIKRISHNAN G

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Portfolio | LinkedIn | GitHub | LeetCode

ABOUT ME

Passionate Web Developer with hands-on experience in building scalable full-stack MERN applications. Delivered a complete e-commerce platform and currently developing an event management system, contributing 5,000+ lines of clean, maintainable code focused on performance and user experience.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, C, Java programming

Data Structures and Algorithms: Arrays, Strings, Linked Lists, Stacks, Queues, Hash Tables, Trees, Graphs, Searching Algorithms, Sorting Algorithms(solved 50+ coding problems)

Backend Development: Node.js, Express.js, REST APIs, OAuth 2.0, Razorpay Integration, JWT Authentication, OOPS, SOLID principle

Frontend Development: HTML, CSS, JavaScript, Tailwind CSS, React.js, Redux, Redux-toolkit

Databases: MongoDB, SQL, Firebase

Cloud and Deployment: Docker, Vercel, Cloudinary, AWS

Version Control and Tools: Git, GitHub, Postman, Figma, npm, MVC

PROJECTS

Book-love, E-commerce Website   github link

An online bookstore featuring multiple categories, coupon support, review system, and admin management tools developed as a personal full-stack project.

Key Contributions

- **Tech Stack:** Built a full-stack MERN application (3,500+ lines of code) with modular APIs for users, books, and orders. Implemented secure authentication using Passport.js.

- **User Features:** Developed 15+ features including category browsing, wishlist, coupons, invoices, ratings/reviews, returns, cancellations, and multiple payment modes (Razorpay, COD, wallet).

- **Admin Dashboard:** Designed admin tools to manage 100+ books, banners, publications, and view sales/order analytics with downloadable reports.

- **Integrations Performance:** Integrated Razorpay and Google OAuth 2.0; optimized image handling and API usage for improved performance.

Technologies Used

- **Backend:** Express.js, MongoDB, Node.js, Passport.js
- **Frontend:** HTML, CSS, Tailwind CSS.
- **Cloud:** Cloudinary, Vercel, AWS EC2
- **Tools:** Git, GitHub, Razorpay, OAuth 2.0, Postman, Figma

Mini - Projects

1. Code Runner : A web-based platform to write, execute, and test code in multiple languages — github link
2. Personal Finance Management App : Track expenses, plan budgets and gain financial insights — github link
3. Online PDF Converter : Upload convert JPG, PNG, TXT → PDF — github link
4. Personal Blog : To Sharing your thoughts, experiences, from daily life in your own words — github link
5. Whether App : Check the temp,sunset,humidity,visibility,UV index,UV level based on city — github link

Polynomial Rings (Academic Project)   *2017 – 2020*

A project completed during BSc Mathematics, exploring the algebraic structure and properties of polynomial rings with examples from abstract algebra. Focused on understanding operations over polynomial rings and their applications in number theory and algebraic geometry.

Analytic Solutions of Integral Equations (Academic Project)   *2020 – 2022*

A PG-level project that involved solving integral equations using analytical methods. Studied various types of integral equations such as Volterra and Fredholm, with applications in mathematical physics and engineering.

EDUCATION

Kariavattom Campus,Thiruvananthapuram, MSc Mathematics   May 2022

Sree Narayana College, Chathannur,Kollam, BSc Mathematics   March 2020