

NIKHIL AAKASH KASOJU

MERN Stack Developer

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PROFESSIONAL SUMMARY

MERN Stack Developer trained through University of Helsinki's Full Stack Open program, skilled in full-stack web development, RESTful APIs, and responsive UI design. Enhancing capabilities in Redux and testing frameworks while building scalable web applications. Knowledgeable in Python scripting and hardware exploration to complement web development expertise. Future Aspirations: Aspiring to work on large-scale SaaS products, master cloud infrastructure management, and transition into a senior developer role driving technical innovation within 3 years.

TECHNICAL KNOWLEDGE

- **Specialized in MERN Stack:**
 - **MongoDB:** Database design, Mongoose ODM, data modeling
 - **Express.js:** RESTful API development, middleware, authentication, error handling
 - **React:** Hooks, component lifecycle
 - **Node.js:** Event-driven architecture, package management, server-side logic
- **Frontend Development:** React, Redux, JavaScript (ES6+), HTML5, CSS3, Bootstrap, Material-UI, Responsive Design
- **Backend Development:** Node.js, Express.js, RESTful APIs, JWT Authentication, Bcrypt, CORS
- **Database Management:** MongoDB, Mongoose
- **Testing & QA:** Jest, Cypress, React Testing Library, Unit Testing, Integration Testing, E2E Testing
- **DevOps & Tools:** Git, GitHub, Postman, VS Code, npm/yarn, Chrome DevTools, Webpack

MERN STACK PROJECTS

Blog Application Development

2025

- **Tech Stack:** MERN Stack, JWT Authentication, Rich Text Editor, Cloud Storage
- Created blogging platform with CRUD operations, commenting system, and user profiles
- Implemented secure authentication system with JWT tokens and password encryption
- Developed admin dashboard with analytics and content management features

PROFESSIONAL EXPERIENCE

Full Stack Developer Intern — Heartfulness

(2025)

Project: Volunteer Management System

2025 - September – Completed

- A comprehensive full-stack platform designed to streamline volunteer coordination and event management for large-scale organizational operations
- **Output:** Designed to handle large-scale volunteer operations with efficient coordination, real-time updates, and data-driven decision making through comprehensive analytics

EDUCATION

- **B.Tech in Computer Science & Engineering (AI & ML)**

Institute of Aeronautical Engineering, Hyderabad

2021 - 2025

CGPA: 7.2/10.0

- **Intermediate in MPC**

Kenney High The Global School

2021

Percentage: 55%

- **GCSE (Class-10)**

Outwood Academy Danum Doncaster (United Kingdom)

2018

Grade Point: 6/9 (Max grade is 9)

FULL STACK CERTIFICATIONS

- **From University of Helsinki — Full Stack Open Course**

Completed

– [View Certificate](#)

– Part 7: React router, custom hooks, styling app with CSS and webpack (**Completed**)

– Part 6: Advanced State Management with Redux & Testing Strategies (**Completed**)

– Part 5: Testing React Apps with Jest + Cypress (**Completed**)

– Part 4: Testing Node.js + User Administration (**Completed**)

– Part 3: Backend Development with Node.js/Express (**Completed**)

– Parts 1-2: React Fundamentals + Client-Server Communication (**Completed**)

- **NxtWave CCBP 4.0 Full Stack Certification**

In Progress

– Comprehensive full-stack development program with MERN stack focus

– Growth Cycles 1-3: Web Development, Python, JavaScript (**Completed**)