ATHUL PK

Full Stack Developer

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PROFILE SUMMERY

Self-taught Full-Stack Developer with hands-on experience in building responsive web applications using React, Node.js, Express, and MongoDB.Strong foundation in JavaScript, REST APIs, and modern UI design.Eager to learn, improve, and contribute as a junior web developer.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, SQL, HTML5, CSS3
- **Frontend Development** React.js, Next.js, Redux,Redux Toolkit, Zustand, Vite
- **Backend Development:** Node.js, Express.js, RESTful APIs, MVC Architecture, Middleware
- **Databases:** MongoDB, PostgreSQL, MySQL
- **Integrations & Security:** Razorpay, AWS S3, JWT (Authentication & Authorization)
- **UI & Animation:** Tailwind CSS, Material UI (MUI), GSAP, Framer Motion (Motion.dev), Styled Components
- **Testing & Tools:** Jest, React Testing Library, Postman, Git/GitHub, Figma
- **Deployment & Cloud:** AWS EC2, Vercel, Netlify, Firebase, Render

PROJECTS

AI-LEARNING ASSISTANT

Built a full-stack AI-powered learning platform using MongoDB, Express.js, React, and Node.js with secure JWT authentication. Implemented PDF upload, storage, and in-app viewing with file management and size tracking. Integrated Google Gemini AI for document-aware chat, AI summaries, concept explanations, flashcards, and quiz generation. Developed interactive flashcards, AI-generated MCQ quizzes with results and analytics, along with a progress-tracking dashboard. Designed a modern, fully responsive UI using Tailwind CSS to ensure a seamless cross-device experience.

TECHNOLOGIES USED

- REACT JS
- TAILWIND CSS
- NODE JS & EXPRESS JS
- MONGO DB

FOOD DELIVERY COMPLETE SYSTEM

Developed a cross-platform food delivery mobile app using React Native (Expo) with a MERN stack backend. Built secure REST APIs using Node.js and Express.js, designed MongoDB schemas for users, restaurants, menus, and orders, and implemented JWT-based role authentication for users and restaurant admins. Added features like restaurant browsing, search/filter, cart, order placement, order history, menu CRUD, and real-time order status updates, while ensuring clean architecture, reusable components, and optimized performance for a smooth user experience.

TECHNOLOGIES USED

- REACT & REACT NATIVE EXPO
- NODE JS & EXPRESS JS
- MONGO DB

WATER SUPPLY MANAGEMENT SYSTEM(ACADEMIC PROJECT)

web and mobile platform designed to manage water supply schedules, accept new connection applications, and handle complaints. Residents can view real-time supply timings, apply for connections online, and track complaints using unique IDs. The system improves transparency, efficiency, and service delivery in Panchayath water management.

TECHNOLOGIES USED

- HTML,CSS, JAVASCRIPT
- PYTHON D-JANGO
- FLUTTER
- SQ LITE-3

EDUCATION

MERN STACK   2025
ASH ACADEMY

BSC COMPUTER SCIENCE   2022 - 2025
LISSAH COLLEGE KAITHAPPOYIL

PLUS TWO - BIO SCIENCE   2020 - 2022
GHSS PUTHUPPADI

CERTIFICATIONS

CERTIFIED CYBER SECUIRITY ANALYST
RED TEAM ACADEMY

ARTIFICIAL INTILLIGENCE
UL RESEARCH & OSPF