ANANTHAN S P

MERN FULL STACK DEVELOPER

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PROFILE SUMMARY

Detail-oriented and adaptable MERN Stack Developer with hands-on experience in JavaScript, TypeScript, React, Node.js, Express, MongoDB, and SQL. Skilled in building scalable full-stack applications and implementing real-time features using WebSocket and WebRTC. Known for strong problem-solving abilities, effective time management, and a proactive approach to learning new technologies. Demonstrates leadership qualities, clear communication, and a collaborative mindset, thriving in both independent and team-driven environments.

SKILLS

Programming Languages	JavaScript, TypeScript
Back End Development	Node.js, Express.js, RESTful APIs, WebSockets, WebRTC, Clean Architecture, MVC, Repository Pattern, SOLID Principles
Front End Development	React.js, Redux Toolkit, Tailwind CSS, Bootstrap, HTML, CSS, HBS , Next.js
Database	PostgreSQL, MongoDB
Cloud	AWS (EC2), CI/CD Pipelines, Render, Vercel
Tools	Git, GitHub, Postman, VS Code, Figma, Canva
Concepts	Data Structures, Algorithms, Object-Oriented Programming (OOP), DevOps

PROJECTS

Legal Consultation Platform - Legal Connect. Live Link | GitHub

Legal Connect is a modern legal consultation platform built using the **MERN stack with Typescript**, enabling clients to seamlessly connect with lawyers for online video consultations or offline appointments. The platform offers a secure environment for legal guidance with real-time communication, verified professionals, and integrated payments.

- Developed a legal consultation platform using **MERN Stack (MongoDB, Express.js, React.js, Node.js)**
- Uses **Clean Architecture with Solid principles** for separation of concerns and scalability
- Implemented **WebRTC and WebSocket** for real-time secure video call consultations between users and lawyers
- Integrated **Google OAuth2 and JWT-based authentication** for secure and seamless login
- Enabled online and offline appointment booking with lawyer availability tracking
- Used Cloudinary for secure storage of profile images and legal documents
- Integrated Razorpay payment gateway for instant and secure transaction processing
- Designed role-based dashboards for users, lawyers, and admins
- Supported real-time communication and appointment status updates
- Optimized UI/UX for smooth lawyer discovery, scheduling, and communication

Ecommerce Platform - MobNAccess. Live Link | GitHub

MobNAccess is a feature-rich e-commerce platform developed using **Node.js, Express.js, and Handlebars (hbs)** as the view engine, designed for purchasing mobile phones and accessories. The platform provides a seamless user experience with secure authentication, offer management, and efficient cart and order handlingBuilt end-to-end using Node.js and Express.js following **MVC architecture.**

- Used Handlebars (hbs) for server-side rendering of dynamic content.
- Integrated **Google OAuth2 and OTP-based authentication** for secure and convenient login.
- Enabled coupon-based discounts during checkout.
- Developed complete cart and order management modules.
- Integrated **Razorpay payment gateway** for secure transaction processing.
- Hosted on **AWS EC2** for scalable, reliable deployment and performance.
- Implemented comprehensive offer system including referral offers, product-specific discounts, and category-level

discount.

MINI PROJECTS

URL Shortener - Shortify Live Link | GitHub

Shorify is a scalable URL shortening platform built using **Next.js and Node.js**, enabling users to securely generate short URLs and seamlessly redirect them to original long URLs. The application provides authenticated users with personalized URL management and history tracking, following clean and maintainable backend architecture.

- Developed a URL shortener application using **Next.js, Node.js, Express.js, and MongoDB with Typescript**
- Applied **Repository Pattern architecture** with **SOLID principles** for clean separation of concerns and scalability
- Implemented **JWT-based authentication** with signup, signin, and logout functionality
- Used **NanoID** to generate unique, collision-resistant short URLs
- Built efficient redirection logic to route short URLs to their corresponding long URLs
- Enabled users to view and manage their **shortened URL history** through a dashboard
- Designed **RESTful APIs** for URL creation, redirection, and user management
- Secured protected routes using **middleware-based authorization**
- Structured backend with **controller–service–repository layers** for maintainability
- Optimized MongoDB schema for fast URL lookup and high performance

Article Feed Application Live Link | GitHub

Article Feed Application is a personalized content platform built using **Next.js and Node.js**, enabling users to discover, create, and manage articles based on their interests. The platform delivers a dynamic article feed driven by user-selected preferences, secure authentication, and a clean, scalable backend architecture.

- Developed a full-stack article feed application using **Next.js, Node.js, Express.js, and MongoDB with Typescript**
- Implemented **Clean Architecture** with **SOLID principles** to ensure modularity and scalability
- Built **JWT-based authentication** with secure signup, login, and session handling
- Enabled users to select and manage **article preferences (categories)** during signup and from settings
- Designed a **personalized article feed** that displays content based on user interests
- Allowed users to **create, edit, and delete articles** from their dashboard
- Implemented **like, dislike, and block** actions on articles for better content personalization
- Developed separate dashboards for article discovery and article management
- Created **RESTful APIs** for user management, article operations, and preference handling
- Designed normalized and flexible **MongoDB schemas** for users, articles, categories, and interactions
- Ensured secure access control using **middleware-based authorization**
- Built a responsive and interactive UI for seamless content consumption and management

EDUCATION

MERN Stack Developer 2024-Present
Brototype, Trivandram Certificate

BSc - Electronics, Kerala University 2021-2024
National College, Trivandrum
CCPA - 7.408