Atchaya V

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Objective

- Dynamic **MERN Stack Developer** specializing in **full-stack JavaScript applications** using **MongoDB, Express.js, React.js, and Node.js**.
- Experienced in **API integration, asynchronous programming, and database schema design**.
- Proficient in **RESTful services, authentication, real-time communication, and cloud deployment**.
- Strong in **version control, CI/CD, and performance optimization** for scalable, modern web solutions.

Technical Skills

- **Programming Languages:** JavaScript, TypeScript, C, Python (Basics).

- **Frontend**: HTML, CSS, Sass, Bootstrap, React.js.

- **Backend**: Node.js, Express, TypeScript, REST APIs, Microservices, GraphQL.

- **Databases:** MongoDB, PostgreSQL, DynamoDB.

- **Streaming & Communication Technologies:** WebSocket, Node-Media Server, LiveKit.

- **Infrastructure:** Docker, Kubernetes, CI/CD (GitHub Actions), AWS

- **Tools:** Git, Postman, Figma, Github, Gitlab.

- **Expertise in:** Data Structures & Algorithm

- **Familiar with:** System Designing & Architecture, Load Balancing, Server Management.

Projects

ORPHANAGE FOOD DONATION SYSTEM   **GitHub**

- Engineered a full-stack MERN application connecting food donors with verified trusts to address inefficient food distribution.
- Implemented **JWT-secured authentication, RESTful APIs, and WebSocket-based** real-time notifications to ensure secure interactions.
- Utilized **MongoDB for efficient NoSQL data storage**, optimizing backend logic and database queries.
- The platform reduced coordination time by 50%, enhancing operational efficiency, scalability, and real-time user experience.
- **Technologies Used: Frontend: React.js, HTML, CSS, JavaScript | Backend: Node.js, Express.js | Database: MongoDB (NoSQL) | Authentication: JWT | APIs: RESTful APIs | Real-time Features: WebSockets | Version Control: Git, GitHub | Deployment: Cloud platforms (Heroku, AWS)**

AD-FREE YOUTUBE PREMIUM CLONE   **GitHub** | **Live Link**

- Developed a seamless, **ad-free video discovery platform** using **HTML**, **CSS**, and **JavaScript**.

- Integrated dynamic **video cards**, **real-time search functionality**, and **responsive design** for an engaging user experience. Implemented **efficient front-end logic** and **real-time content rendering** to enhance performance and usability.

- **Technologies Used: Frontend:** HTML, CSS, JavaScript, React | **Real-time Features:** Dynamic video cards, Real-time search | **Deployment:** Vercel | **Version Control:** Git, GitHub

DEVELOPER PORTFOLIO WEBSITE **Live Link**

- Developed a responsive, **React-based portfolio** with **HTML5**, **CSS3**, and **JavaScript**.

- Utilized **React components** for dynamic content rendering, ensuring seamless navigation and an interactive user experience. Integrated **modern UI/UX design principles**, **SEO optimization**, and **cross-browser compatibility**. Deployed using **Vercel**, with **Git version control** for continuous integration.

MINI PROJECTS

WEATHER PREDICTION **GitHub**| **Live Link**

- Developed a responsive weather forecast web application using **HTML5, CSS3, and JavaScript** to address the need for a real-time weather platform.

- Integrated the **OpenWeatherMap API** for real-time weather data retrieval, ensuring dynamic and accurate weather updates. Designed a user-friendly UI with responsive layouts, utilizing fetch for asynchronous API calls to provide real-time data.

- The app was deployed on **Vercel** with Git version control, ensuring continuous integration and smooth user experience across devices.**SS, Framer Motion, Firebase, Vercel.**

INTERNSHIP

- **Frontend Development Intern – Spectravach (Remote)** Dec 2024 – Feb 2025
  Developed and maintained **React.js components** and integrated **RESTful APIs** for a SaaS platform.
- Enhanced **UI/UX design** using **responsive layouts**, **state management**, and **component-based architecture**.
- Collaborated in an **Agile environment**, providing daily stand-ups and iterative feature improvements.
- Worked directly with the **co-founder** to align technical implementations with business objectives.

CERTIFICATIONS

Microsoft Certified: End-to-End Analytics using Microsoft Fabric
NPTEL: Artificial Intelligence and Its Fundamentals
IBM Certified: SQL and Relational Databases

WORKSHOPS

- **NXplorers Workshop – Shell** **Aug 2022**
  Gained practical knowledge in **systems thinking**, **scenario analysis**, and **problem-solving frameworks**. Explored **sustainable, data-driven solutions** addressing complex global challenges in **energy, food, and water systems**.
- Applied **critical thinking**, **strategic planning**, and **innovation methodologies** to evaluate interconnected issues and propose actionable, scalable outcomes.

EDUCATION

- **MCA-MASTER OF COMPUTER APPLICATION** 2023 – 2025
- Hindusthan college of eng and tech
  Coimbatore, Tamil nadu

- **B.Sc-Computer Science** 2020 – 2023
- Periyar University Chennai, Tamil nadu