

# MOHAMMED AYAN

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## SUMMARY

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Full-Stack Developer experienced in building scalable web applications using React, Next.js, Node.js, and MongoDB. Strong in RESTful APIs, authentication systems, and AI-integrated applications. Experienced in developing and deploying production-ready systems with optimized performance.

## WORK EXPERIENCE

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### Full Stack Intern — Satoru Foundation

2025

- Developed and maintained scalable full-stack applications using React, Node.js, and PostgreSQL, improving performance and code quality.
- Collaborated on designing, developing, and deploying internal tools.
- Applied best practices to enhance scalability, maintainability, and performance.
- Configured and deployed a local server with networking and access controls for reliable internal data collection.

## PROJECTS

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### Shopyy — E-commerce Collection Platform with Automated Product Parsing

- Built a full-stack e-commerce platform with authentication and automated product parsing.
- Extracts product details from links and organizes them into collections.
- Designed RESTful APIs and managed dynamic data using MongoDB.
- Developed a responsive UI using React and Tailwind CSS.

### PromptMotion — AI Prompt to 2D Animation

- Developed an AI system converting natural language prompts into 2D animations.
- Integrated GPT-based processing with Manim for automated rendering.

### Memora — AI Memory Engine (Local-First)

- Built a local-first AI memory system capturing developer activity into a semantic search engine.
- Implemented vector search using embeddings with SQLite and local models (Ollama).

### ParseBot — AI Web Data Extraction Tool

- Developed an AI scraping tool converting webpages and prompts into structured JSON data.
- Automated data extraction workflows, reducing manual effort.

**Web Development Projects:** Designed responsive web applications focusing on performance, accessibility, and clean UI/UX.

## EDUCATION

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### Pursuing B.E / B.Tech in Computer Science

2023 – 2027

Methodist Engineering College

## ACHIEVEMENTS

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- Secured **Top 5 position** in a Hackathon.

## SKILLS

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**Languages:** JavaScript, Python, Kotlin

**Frontend:** React.js, Next.js, Tailwind CSS, HTML5, CSS3, GSAP

**Backend:** Node.js, Express.js, REST APIs, JWT Authentication

**Databases:** MongoDB, PostgreSQL, ChromaDB

**Tools:** Git, GitHub, Postman, Appwrite, Docker, AWS, DBeaver, Ollama

**Concepts:** API Design, Authentication Systems, Web Scraping, AI Integration