

GAUTHAM MADHU

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PROJECTS

SiteOps NextJS, ShadCN, Firebase Github Deployment	Feb. 2025 - March 2025
<ul style="list-style-type: none">Improved content update workflow efficiency by reducing page reloads and admin operations by ~50% through Firestore's real-time syncingIntegrated role-based access control using Firebase Auth, eliminating manual admin verification and streamlining permission handling across 2 user tiersEnhanced UI/UX with ShadCN components, achieving pixel consistency and reducing mobile rendering bugs by 60% across responsive breakpoints	
Avalon ReactJS, TailwindCSS, NodeJS, MongoDB Github	Aug. 2024 - Nov. 2024
<ul style="list-style-type: none">Implemented OAuth login with Google, reducing signup drop-off by 30% and simplifying token/session management across routesEnabled real-time rich-text editing using Quill, leading to a 2x faster blog publishing experience and reduced formatting inconsistencies	
DishDash PHP, Gemini API, MySQL, TailwindCSS Github	Sept. 2024 - Nov. 2024
<ul style="list-style-type: none">Designed an AI-powered meal suggestion engine that cross-referenced 30+ dietary metrics and API responses to generate real-time suggestions within 300ms latencyBuilt a MySQL-backed dashboard with modular filtering and tracking, cutting data retrieval time by 45% through indexed queries and efficient joins	
VoyagAI, AI Vacation Planner React, Tailwind, Vite, Node JS, Gemini API Github Deployment	June 2024 - July 2024
<ul style="list-style-type: none">Engineered a vacation recommender using Gemini API and OpenAI prompt tuning, reducing irrelevant suggestion rate by ~35% over iterative prompt refinementDesigned a location-mood-budget model pipeline using Node.js services, improving relevance of trip matches with a hybrid rule-based + LLM approachMade wishlist and archive system using local + cloud sync, improving reusability of past plans and enhancing long-term planning efficiency	

EXPERIENCE

Full Stack Development Intern <i>VoyagAI Project W3Elites</i>	June 2024 - July 2024
<ul style="list-style-type: none">Led a team of 5 developers in building VoyagAI, an AI-powered vacation planner using the MERN stack with Gemini API integrationSpearheaded AI prompt engineering and effectuated JWT authentication for personalized vacation recommendations and real-time data fetchingManaged daily sprints, ensuring meeting deadlines, debugging issues, and maintaining smooth team collaboration within a Scrum framework	
Junior Business Development Manager <i>AIESEC in Jalandhar</i>	Jan. 2024 - July 2024
<ul style="list-style-type: none">Supported planning and execution of a large-scale university event involving 5+ departments, coordinating logistics and timelines to meet a strict 4-week deadlineParticipated in 3+ AIESEC conferences, enhancing team coordination and leading to a 20% improvement in internal outreach and partner communication processes	

SKILLS

<ul style="list-style-type: none">Languages: C, C++, Python, Java, MySQL, MongoDB shell, HTML, JavaScript, PHPFrameworks / Modules: NodeJS, ReactJS, NextJS, ShadCN, Bootstrap, Tailwind, jQuery, Angular, LaravelSpeaks: English (Proficient), Malayalam (Native), Hindi (Native), Arabic (Passive Fluency)Certification Courses: Design & Analysis of Algorithms (Coursera), Generative AI (Coursera)Others: UX & UI Design (Web), Prompt Engineering	
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ADDITIONAL INFORMATION

<ul style="list-style-type: none">Qualified for the Hack-a- Throne, MERN Stack Hackathon, organized by AIESEC in partnership with GeeksforGeeks, showcasing skills in full-stack development and innovation.Volunteered with Darsan Foundation to raise awareness about STDs/STIs in migrant workers.	
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EDUCATION

Bachelor of Technology, Computer Science Engineering <i>Lovely Professional University, Jalandhar-Delhi, G.T. Road, Phagwara, Punjab(INDIA)</i>	Aug. 2022 - Exp. June 2026
<ul style="list-style-type: none">Concentration: Full Stack Development, Software Development.Parallel: GenAI Strategies	