MADANA G S

✉ madangsnaik@gmail.com | ☎ 8904026092

⌂ https://github.com/madangs89 | in https://www.linkedin.com/in/madangs89

SKILLS

Languages: JavaScript (ES6+), C++ (Moderate), HTML, CSS, SQL

Frameworks & Tools: React.js, Node.js, Express.js, Redux, Context API, Socket.io, Bootstrap, Tailwind CSS, Git, GitHub, VS Code, Postman

Technologies & Others: MongoDB, Redis, JWT, OAuth 2.0, RESTful APIs, Razorpay, Cloudinary, Vercel, Render, LLM Integrations

PROJECTS

Schema Genius (AI-Powered Backend Generator)   Jul 2025 – Sept 2025
Full Stack Developer   Live Demo | GitHub Repository

- Engineered an AI-driven platform that transforms natural language prompts into production-ready backend systems, boosting developer efficiency by up to **70%**.
- Architected scalable real-time schema editing and multi-database support (**PostgreSQL, MySQL, MongoDB, DynamoDB, Neo4j**) using **Socket.IO** and **Redis Pub/Sub**.
- Optimized performance through Redis caching, fault-tolerant recovery, and GitHub API integration for instant repository generation.
- **Tech Stack:** Node.js, Express.js, React.js, Redux, MongoDB, Redis, Socket.IO, Google OAuth, GitHub OAuth, Gemini 2.5, Render.

InstaClone (Real-Time Instagram Replica)   Apr 2025 – Jun 2025
Full Stack Developer   Live Demo | GitHub Repository

- Built a high-performance, real-time social media application replicating Instagram's core functionality — **enhancing response times by 40%** through WebSockets and Redis Pub/Sub.
- Designed scalable microservice-based backend with **JWT authentication**, **Cloudinary** integration for media, and real-time chat + notification systems.
- Strengthened system scalability and fault-tolerance using distributed event-driven architecture and advanced state management with Redux.
- **Tech Stack:** MERN (MongoDB, Express, React, Node.js), Redis, WebSockets, Cloudinary, Redux, Render.

Subscription Management Backend   Jan 2025 – Feb 2025
Backend Developer   GitHub Repository

- Developed a secure subscription management backend integrating **Razorpay API** for automated payments and **Google OAuth** for seamless user onboarding.
- Improved transaction reliability by **35%** through optimized API architecture and advanced error handling.
- **Tech Stack:** Node.js, Express.js, MongoDB, Razorpay, Google OAuth, Postman.

EDUCATION

Alliance University, Bangalore   May 2023 – May 2027
Bachelor of Technology (B.Tech) in Computer Science and Engineering (CSE)   **CGPA: – (Pursuing)**

Government Pre-University College, Amrutha   Jul 2021 – Jul 2023
Pre-University Course (PUC) in PCMB (Physics, Chemistry, Mathematics, Biology)   **Grade: 90.05%**

AWARDS AND CERTIFICATES

- **Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate**   Sept 2025
  Validated expertise in AI, ML, and cloud-based data intelligence using Oracle Cloud Infrastructure.

- **Introduction to Database Systems – NPTEL**   Apr 2025
  Mastered relational database design, SQL optimization, and entity-relationship modeling principles.

- **Introduction to Machine Learning – NPTEL**   Sept 2025
  Recognized as a Top Performer for outstanding skills in ML model development, evaluation, and optimization.

ACHIEVEMENTS & EXTRACURRICULARS

- **Winner – Internal Smart India Hackathon 2025 (College Level)**
  Secured first place in the internal round of SIH by developing an AI-driven solution with a 4-member team.

- **Sports – Kabaddi (30+ Local Matches, 2025)**
  Competed in over 30 local village-level kabaddi tournaments, demonstrating teamwork, strategy, and discipline.