SAI TEJA PASAM

📞 +91-8500257331 ✉ pasamsaiteja2020@gmail.com in LinkedIn 🗘 GitHub </> LeetCode

EDUCATION

Indian Institute of Information Technology Kottayam, Kerala — **2022 - 2026**
BTech Computer Science and Engineering — CGPA 8.97/10

Sri Chaitanya Junior College, Vijayawada — **2020 - 2022**
Grade 12 IPE — 97.0%

Sri Chaitanya School, Kavali — **2019**
Grade 10 — 100.0%

SKILLS

Languages	Python, C, C++, SQL, JavaScript/TypeScript
Frameworks & Backend	Node.js, Hono, Express.js, Next.js
Databases	MongoDB, MySQL, Prisma
Tools & DevOps	Git/GitHub, Docker, CI/CD (GitHub Actions), Postman, VS Code

RELEVANT COURSEWORK

- Linear Algebra
- Probability
- Operating Systems
- Machine Learning
- Data Structures and Algorithms
- Discrete Mathematics
- Cloud Computing
- Database Systems

EXPERIENCE

PRASUNET Pvt. Ltd. — June 2024 - July 2024
Web Development Intern

- Implemented responsive and accessible UI components using **HTML5**, **CSS3**, **JavaScript (ES6+)**, and **ReactJS** with state management, component lifecycle handling, and modular architecture.
- Developed robust server-side logic, handled **RESTful API** integration, implemented asynchronous data fetching, and collaborated with senior developers on full-stack feature development.
- Performed **unit testing**, integration testing, debugging, code refactoring, and performance optimization to enhance web application scalability, maintainability, and runtime efficiency. Certificate

PROJECTS

Teacher Management System | *Next.js, TypeScript, MongoDB, Node.js* — Aug 2025 - Present

- Built a role-based teacher management platform handling **500+ concurrent users** with **¡200ms API latency** via efficient MongoDB indexing and Next.js.
- Designed and implemented **RESTful APIs** with JWT authentication, refresh tokens, and secure session management.
- Optimized data retrieval with **indexed queries**, API caching, and server-side rendering, reducing load times by **45%**.
- Integrated robust **backend validation** using Zod schemas to reduce input errors by **60%**. Live Demo

Don'tTrustMe ChatBott | *Node.js, TypeScript, OpenAI API, Bun* — June 2025

- Developed a **scalable AI chatbot backend** capable of handling **200+ concurrent queries** with real-time streaming, efficient memory management, asynchronous processing, and optimized server performance for low-latency responses.
- Designed **RESTful APIs** with conversation state management, error handling, and rate limiting.
- Automated deployment with **CI/CD pipelines** using GitHub Actions for **zero-downtime deployments**, and optimized runtime performance with Bun. GitHub

Agricultural Management System | *Node.js, Hono, MongoDB, REST APIs* — Nov 2024

- Developed a comprehensive web-based Agricultural Management System with a **MongoDB**-driven backend, implementing **RESTful APIs** to provide farmers with real-time data and decision support features.
- Integrated **Weather API**-driven predictive scheduling, cost analytics, and crop planning algorithms, improving resource utilization and reducing inefficiencies in agricultural operations by **35%**.
- Ensured data consistency and reliability with proper indexing, schema design, and error handling. GitHub

ACTIVITIES

- Engaged in the **Google Cloud Gen AI Study Jams**, working on real-world **Generative AI** projects by leveraging **Google Cloud Vertex AI**, **BigQuery**, and **AI APIs** to design, train, test, and deploy scalable, production-grade AI solutions.