

Summary

Full-Stack Developer with experience building web applications using Python, JavaScript, and SQL, along with frameworks such as Flask, Vue.js, and React. Proficient in REST API development, backend logic, database design, and deploying production-ready applications. Completed the Google Intensive AI Program, gained hands-on experience with Gemini APIs, prompt design, and integrating AI-driven features into web applications. Interested in building practical and scalable solutions that combine full-stack engineering with applied AI.

Education

Indian Institute of Technology Madras	Oct 2023 – Aug 2025
Diploma in Programming	Chennai, India
Chatrapati Sahuji Maharaj University	Aug 2019 – Jun 2022
Bachelor of Science (B.Sc.) in Mathematics, Physics, and Economics	Kanpur, India

Projects

Parking Lot Management System | Flask, Vue.js, REST APIs, SQLite3, Redis, Celery, Bootstrap

2025

- Developed a full-stack role-based parking management web app with reservations, cost tracking, user dashboard, visual admin controls for lots and spots, and background tasks for CSV export, email reports, and caching.
- Demo:** <https://parking-lot-app1.onrender.com>

AI Daily Planner Agent | Gemini ADK, Python, SQLite, Async Agents

2025

- Built a multi-agent workflow using Google Gemini ADK that generates a full daily plan from a single user goal.
- Implemented SQLite-based long-term memory to store tasks, preferences (wake/sleep time), and recall them in later sessions.
- Created functional tools for goal breakdown, schedule generation, and personalized suggestions, executed through Sequential Agent.
- Integrated retry logic, session persistence, and user-state storage for smoother continuous planning.
- Demo:** <https://www.kaggle.com/code/ritikgupta001/ai-driven-personal-daily-planner-with-multi-agent>

Quiz Master Web App | Python, Flask, SQLite3, Bootstrap

2025

- Developed a full-stack quiz platform with user/admin roles, subject/chapter/quiz management with score tracking, responsive Bootstrap UI, SQLite database integration, and secure authentication with session management.
- Demo:** <https://quiz-master-app-1.onrender.com>


Technical Skills

Programming Languages: Python, JavaScript, Java, SQL (SQLite, MySQL, PostgreSQL), HTML5, CSS3
Frameworks & Libraries: Flask, Vue.js, React.js, Node.js, Bootstrap, REST APIs, Responsive UI Development
Applied AI: Google Gemini ADK, Prompt Engineering, Generative AI
Agents & Automation: Multi-agent workflows (project-based), tool calling, session memory using SQLite
Asynchronous & Background Tasks: Celery, Task Queues, Caching, Scheduled Jobs
Analytics & Visualization: Matplotlib, Chart.js
Version Control & Tools: Git, GitHub, Postman, Browser DevTools


Certifications & Internships

- Full-Stack Web Development Internship** — Jyesta Corporate Entity


Sep 2025 – Nov 2025

Gained practical exposure to backend development, API integration, and databases.  View
- AI Skills Passport** — Microsoft & EY

2025

Completed learning track focused on AI fundamentals, prompt engineering, and applied AI use cases.  View
- Code, Commit, Collaborate** — Git & GitHub (IIT Madras)

2025

Learned version control, branching, PR workflow and collaboration best practices.  View