RITIK GUPTA

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Summary

Full-Stack developer 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*

Chhatrapati 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**
- Build 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]