Abinav S

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https://github.com/Abinav-01/

Summary

Determined student with academic discipline knowledge and drive to succeed. Motivated and ambitious undergraduate pursuing dual degrees in Computer Science and Data Science from VIT Chennai and IIT Madras, respectively. Currently engaged in a research internship focusing on generative AI. Passionate about artificial intelligence, backend development, and real-world problem-solving through technology. Experienced in building full-stack applications. Enthusiastic about applying data-driven techniques and modern AI models to innovate and impact.

Experience

May 2025 - Present

Research Intern

•   Company Overview: Research Internship Program (SRIP) focusing on Generative AI concepts and applications.

•   Working on prompt engineering and RAG (retrieval-augmented generation) systems.

•   Gained hands-on experience in fine-tuning large language models (LLMs).

Education

July 2023 - Present

Vellore Institute of Technology - Chennai

B.Tech in Computer Science

CGPA - 9.1/10

Jan 2024 - Present

Indian Institute of Technology Madras - Chennai

Bachelor of Science in Data Science

CGPA - 8.1/10

Skills

Programming languages : Java, Python, C++, C, HTML, CSS, Flask, SQL, React

Embedded Systems: KeilUVision(visualization tool), LTSpice, Serial Communication, 8051 and 8086(Microcontroller and Microprocessor)

Projects

Hospital Appointment Scheduling System
Link: https://github.com/Abinav-01/Hospital-Appointment-scheduling
Tools: Firebase, HTML, CSS, JavaScript, Firestore, Cloud Functions, Nodemailer
• Developed a scheduling platform for hospitals enabling patients to book and cancel appointments.
• Admins can manage doctors via Firebase Auth; patients receive booking emails via Nodemailer.

Quiz Master Web Application
Link: https://github.com/Abinav-01/Quiz-master
Tools: Flask, Jinja2, SQLite, HTML, CSS, Bootstrap, JavaScript
• Built a multi-user quiz platform with admin and user dashboards.
• Admins manage subjects, chapters, quizzes, and view user scores.
• Includes Google Forms-style quiz creation, timer settings, and score history.

Smart Water Level Indicator (8051 Microcontroller Project)
Components: 8051, LEDs, buzzer, water level sensing
Function:
Lights up LEDs based on tank water level
Embedded systems project to indicate water status in real-time

Language

Tamil - Native
English - Very fluent
German - Beginner
Hindi - Beginner