

SAMARTH GUPTA

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EXPERIENCE

[PupilTree](#)

Bengaluru, Karnataka

Software Developer Intern

Feb 2025 - Present

- Developed the **Flutter front-end** and integrated **backend APIs** for an **AI-powered tutor app**.
- Worked on **CI/CD pipelines** to automate deployment and improve **development workflows**.
- Integrated **Gemini AI, YouTube APIs, and other AI tools** to enhance the app's **learning experience**.

[SLING NEO](#)

Bengaluru, Karnataka

Software Engineer Intern

May 2023 - July 2023

- Developed responsive UI/UX in Flutter, integrating frontend-backend with Firebase, reducing load times by 40%.
- Streamlined state management with Provider and Riverpod, boosting performance by 30%.
- Improved backend functions for user login and data syncing, ensuring 90% accuracy

TECHNICAL SKILLS

- Programming Languages:** Python, Structured Query Language (SQL), JavaScript, C, C++
- Technologies & Frameworks:** React, Flutter
- Backend:** Django, FastAPI, Node.js, Express.js, ASP.NET Core, Microservices
- Developer Tools:** IntelliJ, VS Code, Amazon Web Services (AWS – EC2, Lambda, S3, RDS), Google Cloud Platform (GCP)
- CS Fundamentals:** Data Structures & Algorithms, DBMS, Operating Systems, (OOP), Design Patterns
- Databases:** PostgreSQL, Microsoft SQL Server, Redis, MongoDB
- System Design:** REST APIs, Model-View-Controller (MVC) Architecture, Distributed Systems, Load Balancing, Caching

PROJECTS

Healthcare Appointment Scheduling App | [HTML, CSS, React.js, Node.js, MongoDB](#)

[View Project](#)

- Built a web-based system to streamline doctor-patient interactions, processing **200+ bookings/month**
- Integrated secure authentication, reducing unauthorized access attempts by **90%**

Medi Connect | [Flutter, Dart, Firebase, Python](#)

[View Project](#)

- Engineered a Doctor Appointment Booking App using **Flutter** and **Firebase**, implementing real-time scheduling, profile management, and chat functionalities to enhance patient-doctor interactions.
- Integrated **Firebase Authentication and Firestore** to enable secure login, real-time data updates, and cloud-based storage, ensuring seamless user experience and data consistency.
- Implemented a Clean UI with Provider State Management, optimizing performance and responsiveness by **20%** while maintaining a structured, scalable codebase for future feature enhancements.

AICTE Insights App | [Flutter, Firebase, Dart, Python, SQL](#)

[View Project](#)

- Constructed a Mobile Dashboard Application for **AICTE (All India Council for Technical Education)** using Flutter and Firebase, providing a structured and user-friendly interface for accessing key data and statistics.
- Implemented Interactive Data Visualizations with graphs and charts, enhancing decision-making efficiency by **30%** through intuitive data representation.

EDUCATION

Vellore Institute of Technology Bhopal

September 2021 - May 2025

Bachelor of Technology in Computer Science Specialization in Cloud computing

7.81/10

ACHIEVEMENTS

- National Winner** - Secured **1st place** in the [Smart India Hackathon 2022](#), organized by the **Ministry of Education & AICTE**. Awarded a **₹1 Lakh** cash prize for developing an innovative solution.
- Advanced to the internal rounds of the [Smart India Hackathon 2023](#) and reached Round 2 of the **Tomato Grand Challenge 2023**, hosted by the **Ministry of Consumer Affairs**, competing among top innovators.
- Active participant on **Codeforces (max rating: 1286, Pupil)** solving algorithmic challenges regularly.
- Solved 500+ Problems on various Coding Platforms.
- AWS Certified Cloud Practitioner - [Link](#)
- Published Blog:** Mastering Cloud Migration: A Step-by-Step Guide Using Google Cloud Platform on [Medium](#)