SAMARTH GUPTA

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EXPERIENCE

PupilTree   Bengaluru, Karnataka
Software Developer Intern   *Feb 2025 - Present*
- Performed API testing for 50+ FastAPI endpoints, ensuring 99% uptime with Postman & REST Assured.
- Integrated Gemini AI, YouTube APIs, and other AI tools to enhance the app's learning experience.
- Worked on CI/CD automation, reducing deployment time by 25% with pre-deployment testing.

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%

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, JavaScript,
- **Technologies & Frameworks:** React, Flutter,Pandas, NumPy, Matplotlib
- **Backend:** Node.js, Express.js, Django, FastAPI, ASP.NET Core, RESTful APIs, GraphQL, Microservices
- **Databases:** PostgreSQL (Sequelize ORM), Redis, MongoDB, Microsoft SQL Server
- **DevOps & Cloud:** AWS (EC2, Lambda, S3, RDS), GCP, Docker, GitHub Actions
- **CS Funadamentals:** Data Structures & Algorithms, Object-Oriented Programming (OOP), System Design, CI/CD Pipelines, Identity and Access Management (IAM), Encryption, Compliance Standards

PROJECTS

Healthcare Appointment Scheduling App   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%**
- **TECH STACK :** HTML, CSS, React.js, Node.js, MongoDB

Medi Connect   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, ensuring secure login and real-time data updates, improving data consistency by **25%**.
- Enhanced app performance by 20% through implementing a clean UI with **Provider state management,** ensuring a scalable codebase.
- **TECH STACK** : Flutter, Dart, Firebase, Python, AWS, MongoDB

AICTE Insights App   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.
- **TECH STACK** : Flutter, Firebase, Dart, Python, SQL

EDUCATION

Vellore Institute of Technology Bhopal   September 2021 - May 2025
Bachelor of Technology in Computer Science   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.
- Active participant on **Codeforces (max rating: 1286, Pupil)** solving algorithmic challenges regularly.
- AWS Certified Cloud Practitioner - Link
- **Published Blog:** Mastering Cloud Migration: A Step-by-Step Guide Using Google Cloud Platform on Medium