

Siddharth Gupta

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Technical Skills

- **Programming Languages:** Javascript, Typescript, Python, Rust, Go lang
- **Web Development:** HTML, CSS, React, Next.js, Node.js, Three.js, Nest.js, Echo,
- **Databases and Data Warehouses:** RDBMS(PostgreSQL, MySQL), NoSQL(MongoDB), Redis, Pinecone, RedShift, Databricks
- **Version Control:** Git
- **Cloud Platforms:** AWS, Azure
- **Security:** HTTPS/TLS, Cryptography, Certificates
- **Tools:** Git, Logging Frameworks, Build Tools, Docker, Ansible, Github Actions, Kubernetes
- **Additional Knowledge:** Reactive Programming, CI/CD, Distributed Tracing, Service Mesh, Cloud Design Patterns

Work Experience

Lead Developer

December, 2023 - Present

Acencore Solutions Pvt. Ltd., Delhi (Remote- Full Time)

- Leading frontend, backend and ML teams, developing advanced models, and implementing **OpenAI-based assessment and chat solutions** for transformative user experiences.
- Architecting decentralized solutions, implementing **DPoS consensus mechanisms** and **LSTM** for analytics.
- Implemented **L1 and L2 caching** and **data warehouse integration (Databricks)**, resulting in a **20% increase** in system efficiency.

Backend Engineer

September, 2023 - December, 2023

Ostello India Pvt. Ltd., Delhi (Hybrid- Full Time)

- Spearheaded a team of backend and ML interns implementing **Open AI and langchain based solutions** and scaled server infrastructure, achieving a **1000% load increase using Elastic Beanstalk**.
- Implemented **efficient caching strategies** and **optimizing CDNs** improving the performance by **30%** and introduced data warehouse operations, resulting in a **30% reduction in query response times**.
- Designed and deployed **Kubernetes clusters** for scalable and resilient microservices architecture using **gRPC**, ensuring a **99.99% uptime**.

Software Engineering Intern

May, 2023 - Septemeber, 2023

Nessviews, Chandigarh (Remote- Internship)

- Led end-to-end development of Collbaorations Feature with **Next.js** and **Redux** as frontend and **Node.js** as backend, optimizing user engagement and response times as per **large-scale app requirements**.
- Engineered secure user authentication using **JSON Web Tokens (JWT)** and **Debouncing**.

Full Stack Web Developer

September 2021 - April 2023

Explornovate Private Limited, Delhi, India(Remote- Full Time)

- Led **React and Node.js** team, **automating** sales, inventory, and reporting, driving a **45%** revenue surge.
- Utilized **AWS** for seamless deployment, ensuring robust performance and data security.
- Employed Kotlin to enhance user engagement through dynamic features.

Full Stack Web Developer

July 2022 - August 2022

V.K. Gupta and Company, Delhi, India(Remote- Full Time)

- Revamped business website using **MERN stack**, contributing to 30% online engagement boost.
- Implemented **Python-based** automated email system **via SMTP**, enhancing customer outreach.
- Employed **AWS** for seamless deployment, ensuring performance and data security.

Projects

MERN Video Chat App with WebRTC and Socket.io

March 2023 - April 2023

(Github Repo: <https://tinyurl.com/y7ccv235>)

- Developed a real-time video chat app using **MERN stack (MongoDB, Express, React, Node.js)** with WebRTC.
- Enabled peer-to-peer video/audio calls, user authentication with **JWT**, and dynamic chat rooms.
- Utilized **WebRTC** for high-quality streaming and **Socket.io** for smooth call initiation and text chat.
- Ensured cross-browser compatibility and responsive UI (**React, HTML, CSS**) for optimal user experience.

Plant Communicator IoT Project

May 2023 - June 2023

- Led **cloud integration and Arduino coding** for a collaborative IoT-based "Plant Communicator" project.
- Enabled plants to share environmental data, fostering **real-time interaction** and **remote monitoring**.
- Collaborated with multidisciplinary team on hardware design, software development, and user interface.
- Empowered users to monitor and care for plants based on real-time insights.

Education

Bachelor of Technology in Industrial Internet of Things(Hons.)

December 2021 - July 2025

(*expected*)

Guru Gobind Singh Indraprastha University, Delhi, Delhi

CGPA: 8.9 / 10.00 (upto 4th sem)

Achievements

- Led the management and hosting of '**HackMaze**'- a **hackathon** with a prize pool worth over **INR 10 lakh**.
- Selected to showcase my **IoT-based project, "Plant Communicator"**, to the **Chief Minister of Delhi- Mr. Arvinder Kejriwal** and **Lieutenant Governor of Delhi- Mr. Vinai Kumar Saxena**
- Played a key role in the founding team of Frespore air, introducing a **groundbreaking concept for air purifier technology**.
- Successfully negotiated the sale of Frespore air's innovative technology, **generating revenue in 7 figures**.

Extracurricular Activities

- Technical Co-Lead of **Intel oneAPI Students Club**, actively organising in coding challenges and hackathons.
- Contributing to Open Source Projects and Google community events.