

# Siddharth Gupta

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[github.com/Cyddharth-Gupta](https://github.com/Cyddharth-Gupta) | Portfolio Website: [sgfolio.vercel.app](https://sgfolio.vercel.app)

## Education

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<b>Bachelor of Technology in Industrial Internet of Things</b> Guru Gobind Singh Indraprastha University, Delhi, Delhi	<i>December 2021 - July 2025 (expected)</i> CGPA: 9.118 / 10.00 (upto 3rd sem)
<b>Bachelor of Science in Data Science and Applicatons</b> Indian Institute of Technology, Madras	<i>September 2021- December 2025(expected)</i>

## Technical Skills

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- Programming Languages: Javascript, Typescript, Python, C++
  - Web Development: HTML, CSS, React, Next.js, Node.js, Three.js, Django
  - Machine Learning: Scikit-learn, TensorFlow, OpenCV
  - Databases: RDBMS, NoSQL
  - Version Control: Git
  - Cloud Platforms: AWS
  - Security: HTTPS/TLS, Cryptography, Certificates
  - Tools: Git, Logging Frameworks, Build Tools, Docker
  - Additional Knowledge: Reactive Programming, CI/CD, Distributed Tracing, Service Mesh, Cloud Design Patterns

## Projects

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|---|--------------------------------|
| <b>AI Powered 3D T-Shirt E-Commerce Store</b>   | <i>July 2023 - August 2023</i> |
| <ul style="list-style-type: none"><li>• Developed an immersive AI-powered 3D website using Three.js, a popular JavaScript library for 3D graphics.</li><li>• Created dynamic 3D scenes and animations to enhance user-engagement and interactivity.</li><li>• Implemented AI algorithms to provide personalized content recommendations based on user interactions</li><li>• Utilized HTML, CSS, React.js and Node.js to build the front-end interface and the backend, ensuring compatibility across devices and browsers.</li></ul>                                     |                                |
| <b>MERN Video Chat App with WebRTC and Socket.io</b><br>(Github Repo: <a href="https://tinyurl.com/y7ccv235">https://tinyurl.com/y7ccv235</a> )   | <i>March 2023 - April 2023</i> |
| <ul style="list-style-type: none"><li>• Developed a real-time video chat app using <b>MERN</b> stack (<b>MongoDB</b>, <b>Express</b>, <b>React</b>, <b>Node.js</b>) with WebRTC.</li><li>• Enabled peer-to-peer video/audio calls, user authentication with <b>JWT</b>, and dynamic chat rooms.</li><li>• Utilized <b>WebRTC</b> for high-quality streaming and <b>Socket.io</b> for smooth call initiation and text chat.</li><li>• Ensured cross-browser compatibility and responsive UI (<b>React</b>, <b>HTML</b>, <b>CSS</b>) for optimal user experience.</li></ul> |                                |
| <b>Plant Communicator IoT Project</b>   | <i>May 2023 - June 2023</i>    |
| <ul style="list-style-type: none"><li>• Led <b>cloud integration and Arduino coding</b> for a collaborative IoT-based "Plant Communicator" project.</li><li>• Enabled plants to share environmental data, fostering <b>real-time interaction</b> and <b>remote monitoring</b>.</li><li>• Collaborated with multidisciplinary team on hardware design, software development, and user interface.</li><li>• Empowered users to monitor and care for plants based on real-time insights.</li></ul>   |                                |

## Work Experience

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### Backend Engineer

September, 2023 - Present

Ostello India Pvt. Ltd., Delhi (Hybrid)

- Utilized technologies such as **TypeScript**, **NestJS**, **PostgreSQL**, and **Docker** to develop and maintain existing server-side applications.
- Managed and maintain existing servers to ensure **optimal performance and security**.
- Engineered secure user authentication using **JSON Web Tokens (JWT)**.
- Resolved technical issues through rigorous **debugging**, **minimizing downtime** and enhancing user satisfaction.

### Software Engineering Intern

May, 2023 - September, 2023

Nessviews, Chandigarh (Remote)

- Led end-to-end development of Collaborations Feature with **Next.js** frontend and **Node.js** backend, optimizing user engagement and response times as per **large-scale app requirements**.
- Integrated **React** and **Redux** for dynamic user interfaces, collaborating closely with UX/UI designers for seamless design implementation.
- Engineered secure user authentication using **JSON Web Tokens (JWT)** and built RESTful 3 API endpoints and 1 data model for creating, updating and sending offers.

### Full Stack Web Developer

September 2021 - April 2023

Explornovate Private Limited, Delhi, India(Remote)

- 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.
- Designed microservices with **Node.js** and **Express**, implementing **DDD** principles and ensuring clean architecture.

### Full Stack Web Developer

July 2022 - August 2022

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

- 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.

## Achievements

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- Top 10%** of the Class of '25 in B.Tech (Internet of Things)
- 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

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