

# Siddharth Ghosh

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## Work Experience

**Internship at ThetaOne Software Developers - Full Stack Developer** May 2024 - Jul 2024

- Designed and developed a major **full-stack MERN** application, integrating **MongoDB, Express, React, and Node.js**, along with additional frontend designs, and successfully **hosted** the application using PaaS solutions for live use.
- Collaborated with colleagues and received mentorship, leading to a **20%** improvement in coding efficiency and a deeper understanding of best practices in software development.

**Placement Team, MIT Manipal - Public Relations and Outreach Head / Branch Coordinator** Nov 2024 - Present

- Spearheaded corporate **outreach** efforts, reaching out to companies to establish partnerships and facilitate **placement opportunities** for our college students, leading to positive response from **5+ companies**.
- Led social media publicity to **strengthen** the Placement Team's **online presence**, acquiring **500+** new followers.
- **Cultivated a strong team culture** by actively mentoring **20+** junior members, holding regular strategy meetings and providing guidance to maintain high morale and productivity, leading to a more **efficient** functioning of my domain.

**The Astronomy Club, Manipal - Managing Committee** Nov 2023 - Nov 2024

- Coordinated with a **team of 5** via GitHub to design and develop the club's **website**, significantly boosting user engagement and **ease of access** to club-related information for both members and the general public.
- Led the recruitment process by conducting **over 20 interviews** for Working Committee Recruitments, resulting in the successful **selection** and onboarding of **at least 5** new members.

**AIIESEC IN MAHE - Business Development Team Member / OC for Recruitments** Feb 2023 - Aug 2023

- Motivated and guided a team to surpass expected recruitment targets by **10%** through effective communication strategies and personalized performance feedback sessions.

## Projects

**MERN Authentication Application - Project as a part of internship in ThetaOne Software Developers Pvt.Ltd.** [Repository](#)

- Engineered comprehensive authentication mechanisms including **JWT, bcrypt** for user management and route protection.
- Integrated **more than 6** npm packages in frontend and backend each for a seamless and visually pleasing final product.
- **Skills:** Custom React Hooks, Context APIs, RESTful APIs, Node/Express, MongoDB, Mongoose, Tailwind CSS.

**Deep Learning Cat Detector - Project as part of Deep Learning Specialization by Andrew Ng on Coursera** [Repository](#)

- Developed and implemented forward and backward propagation functions for an **L-layer neural network**, optimizing performance using techniques such as **gradient descent** and **mini-batch gradient descent**.
- Trained the neural network on a cat image dataset, achieving an **81% accuracy**.
- **Skills:** Deep learning, Neural Networks, Data Preprocessing, Model Training and Evaluation, Python.

**Website for The Astronomy Club, Manipal** [Website](#)

- Designed and executed the **'Contact Us'** and **'FAQ'** page components for the club's website using **HTML5, CSS3, and JavaScript**, enhancing overall user experience, usability, accessibility and engagement for **120+ users**.

## Education

2022 - 2026	B.Tech in Computer and Communication Engineering, from <b>Manipal Institute of Technology, Manipal</b>	(CGPA: 8.17 / 10.0)
2022	Class 12th, CBSE	(84.8%)
2020	Class 10th, CBSE	(94.4%)

## Skills

**Languages:** C, CPP, Python, Java, HTML, CSS (Vanilla, Tailwind), JavaScript (React/Node/Express), SQL, Bash Scripting

**Technologies:** Git/GitHub, MongoDB, OracleDB, VScode, Jupyter NB, Figma/Canva, Vite, Postman, Vercel, Render

**Course:** Operating Systems, Data Structures and Algorithms, Object Oriented Programming, Computer Networks and Protocols, Software Design, Embedded Systems, Information Security, Wireless Communication and Computing