

# Shubhayu Majumdar

Portfolio: shubhayumajumdar.tech

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## EDUCATION

- **Techno Main Saltlake** Kolkata, India  
*B.Tech in Computer Science (Artificial Intelligence and Machine Learning)* Nov 2020 - Present  
Second year with **9.54 CGPA**

## SKILLS SUMMARY

- **Languages:** C, C++, Python, SQL, Bash, Dart
- **Frameworks:** Pytorch, TensorFlow, Keras, Django, FastAPI, Flutter
- **Tools:** GIT, MySQL, SQLite, MongoDB
- **Platforms:** Linux, Web, Raspberry, Github, GCP, Heroku, Firebase
- **Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

## EXPERIENCE

- **Institution's Innovation Council - TMSL** Kolkata, India  
*Head - Technical Team (Part-time)* Nov 2021 - Present
  - **Resource Forum Upgrades:** Developed custom scraper for performance to update latest resources with minimal latency.
  - **REST API for RBAC and Mailing Service:** Built RBACs to scale several in-house projects. Impacted more than 250+ users. Mailing Service used in all ongoing projects.
  - **Flutter Event App:** Designed and developed cross-platform app for Envisage'22. Integrated CashFree for in-app payments. Impacted more than 1k+ users, resulting in 30% increase in participants.
- **MyBondhu** Remote  
*Backend Developer Intern (Full-time)* Apr 2021 - Jun 2021
  - **Data Collection:** Designed an internal application to fetch COVID-19 medical resource leads and update based on location.
  - **VAPT for internal apps:** Conducted vulnerability assessment on internal apps and reported critical issues.
- **Techobytes Technologies** Remote  
*Cyber Security Intern (Full-time)* Jun 2020 - Aug 2020
  - **Port Scanning Tool:** Researched and Implemented new port scanning tool for cross-platform use with proper documentations.
  - **Impact:** Tool has been featured on OpenBase.

## PROJECTS

- **Envisage App - official app of Envisage '22 (Cross-platform development, Event App):** Research oriented, open source, search engine for bringing reverse multimedia search to small & mid scale enterprises. Tech: Python, NodeJS, Intel OpenVino Toolkit, Selenium, TensorFlow (October '18)
- **Discord Study Bot (Web Development, Discord API):** Open sourced discord bot to record study time of members and make a leaderboard to increase engagement. The bot is currently used in discord server of **IIT Hyderabad**. Tech: Python, Discord API, MongoDB, Heroku.(Apr '21)
- **Cowin Notifier (Cowin API, Twitter API):** COVID-19 vaccination slots availability, provided by CoWIN were fetched and tweeted based on location, effectively increasing chances of booking slots exponentially. Tech: Python, Heroku, Raspberry Pi, Python (May '21)

## HONORS AND AWARDS

- Secured Global **64th rank** in Reply Code Challenge 2022 - Teen Edition.
- Awarded **Swiggy** Bug Bounty Hall of Fame.
- Certified Network Security Specialist from **ICSI, UK**.
- Secured 11 **Google Cloud** Skill badges.

## VOLUNTEER EXPERIENCE

- **Community Lead at Hacket TMSL** Kolkata, India  
*Conducted online and offline technical & soft-skills training impacting over 500 students.* Jan 2021 - Present
- **Event Organizer at Institution's Innovation Council - TMSL** Kolkata, India  
*Organized events, conducted hackathons and delivered workshops reaching over 700 developers.* Jan 2022 - Present