Shubhayu Majumdar

Portfolio: shubhayu.co
Github: github.com/shubhayu-64
LinkedIn: linkedin.com/in/shubhayumajumdar

Email: majumdarshubhayu@gmail.com
Mobile: +91-7679325872

EDUCATION

Techno Main Saltlake
B.Tech in Computer Science (Artificial Intelligence and Machine Learning)
GPA: **9.22**

Kolkata, India
Nov 2020 - Jun 2024

SKILLS SUMMARY

- **Languages:** C, C++, Python, Bash, Dart
- **Frameworks:** PyTorch, TensorFlow, Keras, FastAPI, Flask, Flutter
- **Platforms:** Linux, Raspberry Pi, GitHub, Google Cloud Platform, Heroku, Firebase
- **Soft Skills:** Leadership, Event Management, Writing, Public Speaking

EXPERIENCE

Indian Institute of Technology Kharagpur
Machine Learning Research Intern (Full-time)

Kharagpur, India
May 2022 - Aug 2022

- **Data Collection**: Developed a custom scraper to build a dataset with **35600 user data** and **73000 images**.
- **Two Branch Neural Network (Mixed Data)**: Developed an AI model with **CNN** and **MLP** for processing mixed data to predict popularity of Instagram posts.

Institution's Innovation Council - TMSL
Head - Technical Team (Part-time)

Kolkata, India
Nov 2021 - Aug 2022

- **Resource Forum Upgrades**: Built custom scraper for performance to update the latest resources effectively reducing latency by **12 secs**. Created application to validate **over 1000** hospital locations using Google Maps API.
- **REST API for RBAC and Mailing Service**: Built RBACs to scale several in-house projects. Impacted more than **250+ users**. Programmed application for mailing service used in more than **5 projects**.

MyBondhu
Backend Developer Intern (Full-time)

Remote
Apr 2021 - Jun 2021

- **Data Collection**: Designed an application to fetch COVID-19 medical resource leads and updates based on location.
- **VAPT for internal apps**: Conducted vulnerability assessment on internal apps and **report critical issues**.

Techobytes Technologies
Cyber Security Intern (Full-time)

Remote
Jun 2020 - Aug 2020

- **Port Scanning Tool**: Researched and Implemented port scanning tool for **cross-platform** use with proper documentation supporting Windows, Mac, Linux, and Termux. The tool has been featured on **OpenBase**.

PROJECTS

- **ConnecTen (Flutter, Dart, Firebase, Nearby Connections API)**: Mobile application to share social links and build connections seamlessly with nearby people **without using internet** targeted for meetups and gatherings. Won **Innerve 7.0** by AIT Pune, **HackNITR 4.0** by NIT Rourkela, **Hackday** by GDGC Kolkata. (Mar 2023)
- **Envisage App (Python, FastAPI, Dart, Flutter, Firebase, Cashfree)**: Research-oriented, full-stack, event management app with an integrated payment gateway that impacted more than **1200 users**, bringing a **30% increase** in participation. (May 2022)
- **Discord Study Bot (Web Development, Discord API)**: Open source, discord bot to record study time of members and make a leaderboard to increase engagement. The bot is currently used in the discord server of **IIT Hyderabad** with more than **6000 users**. Tech: **Python**, **Discord API**, **MongoDB**, **Heroku**. (Apr 2021)

HONORS AND AWARDS

- Secured **Global 64th rank** in **Reply Code Challenge 2022** - Teen Edition.
- Awarded **Swiggy** Bug Bounty **Hall of Fame**. Acknowledged by **NCIIPC, Govt of India** and **NCSC, Govt of UK**.
- **Certified Network Security Specialist** from **ICSI, UK**.
- Published information and descriptive exploits about **several vulnerabilities** and helped secure multiple companies.

VOLUNTEER EXPERIENCE

Google Developers Group, Kolkata - App & Web Team
*Built backend for DevFest Kolkata '22 and Internal app for GDG Kolkata impacting **over 5000 users**.*

Kolkata, India
Aug 2022 - Aug 2023

Google Developer Student Club Core Member - ML Team
*Conducted online and offline technical training in Machine Learning impacting **over 200 students**.*

Kolkata, India
Aug 2022 - Jul 2023

Event Organizer at Institution's Innovation Council - TMSL
*Executed events, oversaw hackathons, and delivered workshops reaching **over 300 developers**.*

Kolkata, India
Jan 2022 - Aug 2022