

# Debayan Khan

✉ debayan@debz.in |  linkedin.com/in/debayankhan |  github.com/billumeownati |  debz.in  
Kolkata, West Bengal, India

## EDUCATION

### Indian Institute of Technology, Madras

*BS in Data Science and Applications*

Jan. 2024 – Present

*Chennai, Tamil Nadu, India*

### Tarakeswar Mahavidyalaya

*Higher Secondary (Science, PCM with CS)*

2021 – 2023

*West Bengal, India*

## TECHNICAL SKILLS

**Languages:** Python, C, C++, JavaScript, SQL, PostgreSQL, Bash

**Web Development:** Flask, Jinja2, HTML, CSS, Bootstrap, Tailwind, JSON

**Systems & Linux:** Linux Administration (Systemd, Daemons, File Systems, Asusd), Shell Scripting

**Networking & Cloud:** DNS Management, SSL/TLS, Cloudflare, SMTP, Web Hosting, IP Addressing, Routing

**Tools:** Git, GitHub, Google Cloud Platform (GCP), QGIS

## PROJECTS & OPEN SOURCE

### MediConnect | *Python, Flask, SQL*

- Built a hospital management website using Flask to handle patient records and doctor appointments.
- Set up a secure login system and used SQL to store user data reliably.
- Designed the user interface with Bootstrap and Tailwind so it works well on mobile and desktop.

### BattLuv | *Python, CustomTkinter, Windows GUI*

- Developed a modern Windows desktop app using CustomTkinter to calculate and visualize laptop battery health.
- Automated the analysis of system power reports (via powercfg) to display real-time capacity and wear percentages.

### Ventus | *Python, Linux System Programming, System Tray*

- Developed a Linux system tray app that displays real-time fan speeds and CPU temperatures.
- Wrote Python scripts to read data directly from hardware sensors (asusd) without heavy background usage.
- Published the source code on GitHub with a guide for installing it on different Linux distributions.

### BilluSwitch | *Python, CLI Utility, Linux Automation*

- Created a command-line tool to toggle system configurations on Linux.
- Wrote clean, modular code to make it easy to add new features or fix bugs.

## EXPERIENCE

### Regional Coordinator (Kolkata)

*Bandipur House, IIT Madras BS Degree*

Nov. 2024 – Present

*Remote / Kolkata*

- Organize student activities in the Kolkata region and act as the main point of contact between students and the college admin.
- Manage communication groups to keep students updated on academic programs.

### Event Management Coordinator

*Bandipur House, IIT Madras BS Degree*

Oct. 2024 – Apr. 2025

*Remote*

- Planned schedules and logistics for student meetups and social events.
- Worked with volunteer teams to ensure events ran smoothly and on time.

## CERTIFICATIONS & ACHIEVEMENTS

**Bharatiya Antariksh Hackathon (2024 & 2025)** – Participated in Online Rounds (ISRO)

**Foundational Certificate in Programming & Data Science** – IIT Madras

**AI/ML for Geodata Analysis** – IIRS-ISRO

**Geospatial Technology for Digital Agriculture** – IIRS-ISRO

**Introduction to Cloud using GCP** – IIT Madras

**SQL (Basic)** – HackerRank