



Ishani Bhowmick

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PROFILE SUMMARY

I am a passionate and driven aspiring Software Engineer with hands-on experience in various projects, and demonstrated commitment to academic and extracurricular excellence through active participation in volunteer roles.

TECHNICAL EXPERIENCE

Infosys: Springboard Internship 4.0.....

Python Engineer | Mar-May 2024

- Developed an online cake delivery system using *Django REST* and *Google Distance Matrix API*, increasing delivery efficiency by 40%.
- Implemented secure transactions and automated notifications, improving user experience and reducing inquiries by 50%.
- Technology stack: *Python*(version 3.9) | *Django* (version 3.2), *Django REST Framework* (version 3.14.0), *REST Framework Simple JWT*, *Google Maps Platform* (for distance matrix API) | *PostgreSQL* | *Visual Studio Code* (IDE), *Github* (version control), *Postman* (API testing tool)

Ardent Computech Pvt. Ltd.: Industrial Training.....

Java Full Stack Developer | Jan-Feb 2024

- Led a team to create "Moviot", an OTT streaming platform, ensuring seamless experience with HTML/CSS, Java and Spring Boot.

Acmegrade Cyber Security Training.....

Cyber Security Analyst | Dec 2022-Jan 2023

- Conducted vulnerability assessment and produced a detailed report using *Tenable Nessus* on *Windows* machine, reducing system vulnerability by 30%.

Coincent in assoc. APSIS Solutions under IBM and Microsoft: Training based Project program.....

IoT Robotics Engineer | May-Aug 2022

- Developed "Voice Control Home Automation" using *IFTTT* via *Adafruit* and *relays* on *IBM cloud*, achieving 95% accuracy in voice recognition and performance.

PROJECTS

Derm.ai: A Modern Solution to Dermoscopy Needs.....

- Developed algorithm for instant hair strand segmentation with U-Net and deployed via Fast API, achieving 15% improvement in accuracy.
- Technology Stack: *Python* | *TensorFlow*, *Keras* | *OpenCV*, *scikit-learn*, *NumPy*, *Pandas* | *Jupyter Notebook*, *PyCharm*, *Git*, *FastAPI*

Agrimetrix: Soil Testing Nutrient Management Tool

- Developed a portable user-friendly tool for precision soil testing and nutrient management, using (hardware) *Arduino UNO R3*, *Hygrometer*, *Conductivitymeter*, *NPK sensor*, *pH sensor*

EDUCATION

Future Institute of Technology, Kolkata.....

B. TECH (CSE) | 2021-2025 | GPA: 8.5

South Point High School, Kolkata ..

AISCE | 2019-2021 | 88%

South Point High School, Kolkata ..

AISSE | 2019 | 90.1%

VOLUNTEER EXPERIENCE

- KSHITIJ (IIT - KJP): C.A. 2022-2024
- E-CELL (IIT-KJP): C.A. 2022
- COINCENT: A.M.B. 2022
- INSIGHT (FIT): Editor 2023-2025
- CULAKRITI (FIT): Secretary 2024

CERTIFICATIONS

- Udemy | CSS, Javascript And Python
- Udemy | Python Demonstration
- Coursera | Communication Theory

ACHIEVEMENTS

- Ranked 1st in CSE Branch with 9.8 CGPA
- Finalist in IEEE Women's Hackathon

TECHNICAL PROFICIENCY

- Programming languages: C, C++, Python, Java, JavaScript, HTML/CSS, PHP, LaTeX
- Frameworks & libraries: Django, React, Spring Boot, MongoDB, Numpy, Pandas
- Version control: Git, Github
- Other tools: Postman, VS Code, DBAver, SQL Server, PostgreSQL, AWS

ADDITIONAL INFO

- Languages: English, Bengali, Hindi, Mandarin
- Interests: Fine arts and Classical Dance (Bharatanatyam), maintain an art page with 2K+ followers