

UTKARSHA GHOSH

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EDUCATIONAL QUALIFICATIONS

- Pursuing B.tech in Information technology (2023-2027) from Institute of Engineering and Management , Saltlake , Kolkata
- Class XII, Central Board of Secondary Education , 2023, Computer Science Stream, South Point high School, Ballygunge , Kolkata with 84.8%.
- Class X , Central Board of Secondary Education , 2021, South Point high School, Ballygunge , Kolkata with 94.6%.

PROFESSIONAL SUMMARY

I am a Third-year B.Tech student passionate about cybersecurity, proficient in Python, C, Java , HTML and SQL. Skilled in leadership, problem-solving, and interpersonal communication. Excels in analyzing and developing solutions while collaborating effectively in teams. Committed to continuous learning and applying technical expertise to address challenges in different environments.

TECHNICAL SKILLS

Programming Languages: Python, C, HTML , SQL , MATLAB , Java , React , Typescript

Technologies: VS Code, Jupyter Notebook , Google Colab , Powershell , Git , Github

RELEVANT COURSE WORK

- Programming for Problem-Solving, Object-Oriented Programming, Data Structure and Algorithm, Operating System

PROJECTS

- Built a Log Monitoring System using powershell
- Built a movie recommender system website using Python
- Built a inventory management system using Java
- Built a forest fire risk website using Python
- Built a music recommender website using React , Typescript and Tailwind CSS

INTERNSHIPS

**THE NATIONAL SMALL INDUSTRIES CORPORATION LTD. TECHNICAL SERVICES CENTRE
[SEPTEMBER 12 , 2024 – SEPTEMBER 26,2024] 2 WEEKS**

- Completed the internship program in the area of Snowflake database in Cloud

IT Intern | Emami Agrotech Limited | [June 2025 – July 2025] 2 MONTHS

- Developed and deployed a centralized system for monitoring system logs from over 40 Windows servers, enabling proactive issue identification.
- Implemented and configured CMDBuild, an open-source IT asset management system, to replace a manual, spreadsheet-based tracking process.

COURSES**• NPTEL**

- The Joy of Computing using Python (IIT Madras) – July-October 2023
- Google Cloud Computing Foundations (IIT Kharagpur) – August – October 2023
- Introduction to Algorithms and Analysis (IIT Kharagpur) – July – October 2023
- Cyber Security and Privacy (IIT Madras) – July – October 2024

• COURSERA

- Advanced System Security Topics (University of Colorado)
- Probability & Statistics for Machine Learning & Data Science (Deeplearning.AI)
- Information Theory (The Chinese University of Hong Kong)

• LINKEDIN LEARNING

- Python Object Oriented programming

- Online Summer School on Usefulness of Remote Sensing & GIS for Environmental Studies Conducted by Indian Institute of Remote Sensing , ISRO Dehradun

ACHIEVEMENTS

- Awarded a Gold Medal of Excellence for performance excellence at the school level in SOF – National Science Olympiad (2021-2022)

EXTRACURRICULAR ACTIVITIES

- Awarded the Diploma of Chitra Visharad Part-1 (4th year) in the subject of Fine Arts (Painting) by Pracheen Kala Kendra , Chandigarh
- Achieved the rank of Upper Green Belt (3rd Kyu) in Kyokushin Karate

I hereby declare that the aforesaid information is true to the best of my knowledge.