Malay Sahitya

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Education

Indian Institute Of Information Technology, Allahabad	Nov 2022 – June 2026
B.Tech. in Information Technology *CGPA: 8.85 / 10.00 (Till 6th Sem)*	*Allahabad, Uttar Pradesh*

Experience

Google SWE Intern | *TypeScript, GraphQl, Angular, Java, HTML*
- **Parameter Manager Secret Referencing**: Developed an intuitive method for creating and referencing secrets within the Parameter Manager UI.
- **Streamlined Secret Permissions Granting**: Worked on Google's middleware architecture to simplify the process of granting secret permissions to parameter's resource id.

Achievements

- Obtained **Rank 9** out of thousands in ICPC National Prelims 2024.
- Secured **Rank 35** in **ICPC Chennai Regionals 2023**, **Rank 36** in **Kanpur Regionals 2024**, and **Rank 76** in **Amritapuri Regionals 2024**.
- **IICPC Codefest'25:** Secured **17th** in Prelims, **25th** in Regionals, and **29th** in Finals among **17000+** participants.
- Achieved **Candidate Master (1919)** on Codeforces; secured **Rank 478/18760** in Codeforces Round 942.
- Achieved **6 Star (Rating 2267)** on CodeChef; secured **Rank 14/1128** in CodeChef Starters 110 (Div 2).
- **Meta Hacker Cup 2024:** Qualified for Round 2 with a **Global Rank of 1611**.
- Reached **Guardian (Rating 2251)** on LeetCode; secured **Rank 319** in Weekly Contest 384.
- Qualified **KVPY SX 2022** with **AIR 1526**; also secured **AIR 5396** in **JEE Mains 2022** and **AIR 4252** in **JEE Advanced 2022**.

Projects

Backdoor Deeplearning Watermarking | *Python, Google Colab, Matplotlib, Scikit-learn*
- Designed a deep learning watermarking method to invisibly embed ownership in neural models.
- Implemented backdoor-based watermarking using hidden neuron triggers for ownership verification.
- Demonstrated the watermark's effectiveness in identifying stolen models without degrading prediction accuracy.

Pet Shop Management | *Next.js, Node.js, Express.js, MySQL*
- Used events and triggers of SQL to implement periodic updation of information of pets in the shop.
- Coauthered backend in this app Using technologies like MySQL for database, Node js and Express js for backend.

Technical Skills

Languages: C++, C, python, Java, SQL, TypeScript
Technologies: MongoDB, React.js, Angular, Express.js, TensorFlow, Node.js, MySQL
Related Course Work: Operating System, Machine Learning, Neural Networks, Cloud and edge computing, Data Structures and Algorithms, Database Management Systems, Object Oriented Programming, Computer Networks, Cyber Security, Theory Of Computation, Discrete Mathematics.

Position of Responsibility

CodePlus IIITA	Dec 2023 – Present
Coordinator	*IIIT Allahabad*

- Mentored junior students in competitive programming and DSA, leading to the creation of problems and contests for Codeplus events.

GDG ONCAMPUS	July 2024 – Present
Coordinator	*IIIT Allahabad*

- Organized multiple competitive programming contests for college students under GDG OnCampus, promoting a strong coding culture on campus.
- Created and thoroughly tested problems using Polygon, maintaining high-quality standards and clear problem statements.