DWAIPAYAN DEHURY

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Education

National Institute of Technology, Rourkela   **Sep 2021 – Jun 2025**
Bachelor of Technology in Computer Science and Engineering (CGPA - 8.20)   *Rourkela, Odisha*

Relevant Coursework

- Data Structures and Algorithm
- Database Management
- Object Oriented Programming
- Design and Analysis of Algorithms
- Operating System
- Computer Networks

Work Experience

BNY Mellon   **Jan–Jun 2025**
Backend Development Intern   *Pune, India*

- Architected and deployed a **Spring Boot batch processing** system to automate **financial data synchronization**, cutting **data lag** by **40%**.
- Overhauled **data validation pipelines** within the **Account Eligibilities microservice** team, slashing **transaction errors** by **25%**.

BNY Mellon   **May–Jul 2024**
Full Stack Software Engineering Intern   *Pune, India*

- **Optimized** core **microservices** in the **NETX360+** platform using **Java** and **Spring Boot**, boosting **throughput** in **real-time** financial applications.
- **Re-engineered Angular-based UI components**, driving a **20% increase in user engagement** by **streamlining UX workflows**.

Projects

CityPulse | *React, Firebase, Google Maps API, Google Cloud Platform, Gemini 2.5* | Github-Link   **Jul 2025**

- **Spearheaded** the development of a **full-stack** web application for **real-time city data management**, integrating **Firebase**, **Google Maps API**, and **React** to enable efficient **incident reporting** and **forecasting**.
- **Engineered** a **scalable microservices architecture** on **Google Cloud Platform**, improving **real-time analytics** for urban incident management.

ZK Mask P2P | *Solidity, React JS, Zero Knowledge Proofs, DeFi* | Submission-Link | Github-Link | Demo   **June 2024**

- **Constructed** a **P2P payment platform** with **Zero-Knowledge Proofs** to ensure complete **transaction anonymity**, increasing **user privacy** by **30%**.

Achievements

- **2nd Runners-up, Google Agentic AI Hackathon**   **Jul 2025**
  Secured in 'Managing City Data Overload' category among 65,000+ participants for CityPulse (1 Lakh prize).

- **1st Prize (Privacy Category), V0rtex01 Scroll Hackathon**   **Jun 2024**
  Awarded for creating the anonymous P2P payment platform, ZK Mask P2P ($2200 prize).   Mention Link

- **2nd Prize (Consumer Adoption), FraxBuild Hackathon**   **Aug 2023**
  Awarded for developing FraxSurance, a DeFi and NFT based insurance platform ($3500 prize).   Mention Link

- **2nd Prize, Truflation Category, Chainlink Spring Hackathon**   **Jun 2023**
  Awarded for creating InsureShield, leveraging real-time inflation data ($4000 prize).   Submission Link

- **3rd Prize (Axelar Track), FVM Dataverse Hack**   **May 2023**
  Awarded for developing DARO, a Decentralized Autonomous Research Organization ($2000 prize). Submission Link

- **Best Beginners Project, Hackodisha 2.0 (MLH)**   **Feb 2023**
  Received award at the Major League Hacking affiliated event (1000 prize).   Certificate

- **Codeforces: Specialist Title**   **May 2023**
  Achieved peak rating of 1500. Ranked 784/11,400 in Codeforces Round 873 (Div. 2).   Profile Link

Technical Skills

- **Languages**: C++, JavaScript, TypeScript, Java, Solidity, SQL
- **Technologies/Frameworks**: Google Cloud Platform, Firebase, Spring Boot, Angular, React.js, Docker, Google Maps API, MongoDB, Hardhat
- **Soft Skills**: Problem-Solving, Teamwork, Leadership, Communication, Adaptability