Utpal Kumar

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EDUCATION

National Institute of Technology, Jamshedpur	**Aug 2023 – Present**
Bachelor of Technology – Computer Science and Engineering	*CGPA: 8.42/10*
Delhi Public School, Bokaro	**Jul 2020 – Jun 2022**
Class XII (CBSE)	*Percentage: 96.6%*
HS DAV Public School	**Apr 2019 – Mar 2020**
Class X (CBSE)	*Percentage: 95.4%*

TECHNICAL SKILLS

Programming Languages: C | C++ | Python | JavaScript

Problem Solving: **Data Structures and Algorithms** | Competitive Programming

Web Technologies: HTML | CSS | Node.js | React.js | Express.js

Databases / Tools: MySQL | MongoDB | Git | GitHub | MUI

Fundamentals: Operating Systems (OS) | Database Management Systems (DBMS) | Object-Oriented Programming (OOPs)

PROJECTS

Job-seeker-generator
source code
- Built a full-stack platform for job listings with secure **authentication** using **JWT** and **Bcrypt**.
- Developed frontend using **React.js**, **React Router**, and **Bootstrap**; backend APIs in **Node.js** | **Express.js** | **MongoDB**.
- Reduced upload time by **40%**, from 5s to 3s, by integrating **Cloudinary** for scalable image handling

File-sharing
source code
- Developed a secure file-sharing app with **JWT**-based auth and uploads to **AWS S3**.
- Built responsive UI using **React.js**, **Tailwind CSS**, **Redux Toolkit**, and **React Router**.
- Optimized file preview and downloads; achieved **25% faster response** time using **Axios** and a streamlined backend in **Node.js** | **Express.js**.

Inventory-Management
source code
- Engineered a real-time stock tracking platform with **JWT**-secured authentication and role-based access.
- Enabled fast inventory updates with Redux store and optimized rendering in **React.js** | **Tailwind CSS**.
- Reduced **data sync latency by 30%** via efficient **REST APIs** and microservices built with **Node.js** | **Express.js** | **MongoDB**.

POSITIONS OF RESPONSIBILITY

- Member of **Web Team** of **Programming Club of NIT JAMSHEDPUR** — *March 2025 – Present*
- Member of **Web Team** and **Creative Team** at **Society of Computer Science and Engineering (SCSE)**, NIT Jamshedpur — *Nov 2024 – Present*
- **Branch Coordinator** of Computer Science and Engineering, NIT Jamshedpur
- Vice Captain of Dramatics Club, NIT Jamshedpur — *January 2025 – Present*
- Member of Official **Table Tennis Team**, NIT Jamshedpur — *Nov 2023 – Present*

ACHIEVEMENTS

- **5 Star** in Problem Solving on HackerRank
- Solved 600+ **Data Structures and Algorithms** problems across platforms
- **Top 5 rank** in Class 12 at **Delhi Public School**, Bokaro
- Secured **2nd rank** in district in Class 10 board examination
- Awarded the prestigious **Aditya Birla Capital Scholarship** for academic excellence in engineering
- Participated in various hackathons
- Honored as **Most Outstanding Speaker** for articulating ideas **clearly and confidently** during competitive debates