

Ujjwal

Bachelor of Technology
Computer Science and Engineering
Indian Institute of Information Technology, Kota

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EDUCATION

Indian Institute of Information Technology, Kota
B.Tech in Computer Science and Engineering

2023 – 2027

CGPA: 7.86

Central Academy, Basti, Uttar Pradesh
Senior Secondary (CBSE)

2023

Percentage: 95.00%

RELEVANT COURSEWORK

Data Structures and Algorithms • Software Engineering • Machine Learning • Database Management Systems
• Operating Systems • Artificial Intelligence • Computer Networks • Object-Oriented Programming

EXPERIENCE

- **FischerJordan** August 2026 – Present
SWE Intern Remote (New York, USA)
 - Developed backend features using **Django, Python, and PostgreSQL**, building APIs, database models, and application workflows for production systems.
 - Worked on **AWS RDS and S3** database migration workflows and improved production monitoring using **Sentry and Better Stack**, including incident alerting and escalation.

PROJECTS

- **ASCT (Advocates Self Care Team): Full-Stack Web Application** [GitHub](#) [Live Link](#)
React.js, Node.js, Express.js, MongoDB, Tailwind CSS, JWT, Cloudinary, Socket.io
 - Built a scalable full-stack donation platform for advocates serving **100+ users** using **REST APIs**, **JWT**-based authentication, and **Cloudinary** for media handling.
 - Integrated **Razorpay** for online payments and a **Gemini**-powered chatbot, reducing manual queries by **40%**.
 - Implemented **backend logic** for donation verification and grievance handling with real-time chat using **Socket.io**, enabling **concurrent user interactions**.
- **CodeLeet: DSA Practice and Online Judge Platform** [GitHub](#) [Live Link](#)
React.js, Node.js, Express.js, Tailwind CSS, MongoDB, Redis, BullMQ, Docker, JWT
 - Developed a scalable **online judge platform** supporting **1,000+ concurrent submissions** using **Redis + BullMQ** for asynchronous processing.
 - Designed a **Docker-based execution system** with enforced CPU and memory limits for secure, isolated code execution.
 - Implemented **non-blocking APIs** using background job queues, improving system throughput under load.
 - Enabled **real-time result streaming** via **WebSockets**, reducing latency by **60%**.

SKILLS

- **Languages**: Java, JavaScript, Python, C, SQL
- **Frameworks**: React.js, Node.js, Express.js, Django
- **Databases**: MongoDB, PostgreSQL, Redis
- **Technologies**: REST APIs, JWT, WebSockets, Tailwind CSS
- **AI/ML**: Scikit-learn, Pandas, NumPy, TensorFlow
- **Tools**: Docker, Git, GitHub, Postman, VS Code, Linux
- **Coding Profiles**: [LeetCode](#), [GeeksforGeeks](#), [Codeforces](#), [CodeChef](#)

ACHIEVEMENTS

- Secured **2nd place at DevQuest Hackathon, IIT Jodhpur** by developing an AI-powered Ayurvedic remedy app using image analysis with OpenAI. [\[Certificate\]](#)
- Ranked among the **top 10 teams out of 300+ participants** at Execute Hackathon, DTU.
- Solved **800+ DSA problems** across multiple coding platforms.
- Maximum ratings: **1619** (CodeChef), **1213** (Codeforces), **1802** (LeetCode).
- Achieved **top 2% percentile nationwide** in JEE Main examination.

POSITIONS OF RESPONSIBILITY

- **Team Lead, Cyph3r Club**
Led cybersecurity CTF events for 200+ participants, boosting engagement and hands-on learning.