Udit Prasad

3rd Year Undergraduate
Department of Computer Science and Engineering

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⏻ uditpd3000 | in Udit Prasad

Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2020 - Present	B.Tech	Indian Institute of Technology Kanpur	8.8/10
2020	Class XII (CBSE)	ABR Foundation School, Sasaram	95%
2018	Class X (CBSE)	DAV Public School, Sasaram	94%

Scholastic Achievements

- Secured **AIR 1105** in **Joint Entrance Exam(Advanced) 2020** among 0.15 million shortlisted students
- Secured **98.86 percentile** in **Joint Entrance Exam(Mains) 2020** among 1.2 million candidates
- Recipient of prestigious **Kishore Vaigyanik Protsahan Yojana** Fellowship Award **2018** conducted by **IISc, Bangalore**

Experience

- **Seeders Media LLP** | Software Development Intern   *May'22 - Jul'22*
    - Worked on a **SaaS platform** for digital publishers to **create and publish articles** developed using **Django Framework**
    - Enhanced the **functioning** of the product by making **key changes** related to members and publisher agencies
    - Incorporated features like **Trending Twitter Column, Tag-wise articles**, and **meta tags**
    - Explored various topics like **Automated Facebook posts, Twitter APIs, PostgreSQL,** and many more

Projects

- **surakshIIT** | Course Team Project, **CS253A** ⏻   *Jan'22 - Apr'22*
    - Developed a potential software to be used by **campus residents and Security officials** for **security** purposes
    - Incorporated features like **Lost and Found, Hall entry/exit and Campus entry/exit**
    - Designed user-side using **ReactJS** and server-side using **Django** Framework along with **SQLite** as a database
- **SPO Career Portal** | Summer Project: **Programming Club**, IIT Kanpur ⏻   *June'21 - Aug'21*
    - Collaborated with team to develop a fully-fledged **portal** for **Students Placement Office, IIT Kanpur**
    - Designed **user interface** using **React JS** To facilitate the application process for both students and the recruiters
    - Implemented the **server side** using **Django Framework** and tested the various **APIs** using **Postman**
- **InfoSec** | Association of Computer Activities(**CSE**), IIT Kanpur   *May'21 - Aug'21*
    - Examined various fields of InfoSec like **Web Exploitation,Reverse Engineering and Basic Cryptogtaphy**
    - Solved various **CTFs** across the web exploring various fields of InfoSec using tools like **BurpSuite and Radare2**
- **SAT Solver and Sudoku-pair Generator & Solver** | Course Project, **CS202A** ⏻⏻   *Feb'22*
    - Designed optimal **SAT Solver** using **Back-tracking Algorithm** in **CPP** which takes CNF as an input
    - Designed a Sudoku-pair Generator and Solver using **SAT Solvers** which generates and solves 2nxn sudoku-pair puzzle
- **Library Management System** | Course Project, **CS253A** ⏻   *Mar'22*
    - Implemented Library Management System in **C++** Language using **Object Oriented Programming concepts**

Technical Skills

- **Programming Languages :** Python, C, C++, JavaScript, Verilog, Bash, Assembly language
- **Frameworks and Libraries :** Django, ReactJS, Numpy, Pandas, Flutter
- **Others :** Git, LaTeX, PostgreSQL, MySQL

Relevant Coursework   ** Ongoing Courses ** Online Courses*

Data Structures and Algorithms	Software Development & Operations	Computer Organization
Operating Systems*	Real Analysis and Multivariable Calculus	Introduction to Electronics
Linear Algebra & Ordinary Differential Equations	Probability Theory	Logic in Computer Science

Positions of Responsibility

- **Senior Web Executive, Techkriti**   *July'21 - Apr'22*
    - Worked with the Web team and supervised a team of junior executives to develop and maintain the website of **Teckhriti'21**
- **Academic Mentor, Counselling Service**   *Oct'21 - Present*
    - Helping juniors in clarifying doubts and strengthen concepts, particularly in Mechanics
    - Conducted Institute level Academic classes for 500+ students, also personally mentored many students

Extra-Curricular Activities

Technical	• Participated in **Kick Start'21 and Hash Code'22** organised by **Google** • Participated in **Techweek**, a week long event with many exciting competitions held by SnT Council, IIT Kanpur • Active participation in various **Competitive Coding contests** held on **Codeforces** and similar platforms
Cultural	Secured podium ranks in various Hindi literary events organised by **Hindi Sahitya Sabha**, IITK