

Umang Srivastava

EDUCATION

B.Tech in Computer Science and Engineering
(2019 - 2023)

International Institute of Information Technology, Hyderabad -
8.33 CGPA

ISC(XII) Board

Little Flower School, Gorakhpur - 96.6%

EXPERIENCE

Internship, **Virtual-Labs** (Jan 2021 - Apr 2021)

Worked on migration of Flash based animations to Javascript
(under DASS course)

PROJECTS

- **CollegeNet (May '20 - June '20)**
An Android student utility app developed using Flutter and Firebase. Available on PlayStore.
- **Synced-In (Feb '21)**
A job application portal for recruiters and applicants. Developed using MERN Stack.
- **UShell (Sept '20)**
An interactive shell with foreground/background process support along with piping and redirection. Written in C.
- **Modified XV-6 (Oct '20)**
Modified the xv-6 OS(developed by MIT) and implemented FCFS, PBS and MLFQ schedulers. Written in C.
- **Cafeteria Database System (Sept '20)**
A SQL database system, designed for the operations of a Cafeteria.
- **Concurrent Simulations (Nov '20)**
Simulation of real-life scenarios using operating systems concepts such as concurrency and multithreading. Written in C.
- **Brick-Breaker (Mar '21)**
Classic Brick-Breaker terminal game developed in Python.
- **Electricity Distribution System (Oct '20 - Nov '20)**
Developed a modern and efficient electricity generation and distribution system.

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SKILLS

- HTML
- CSS
- JavaScript / JQuery
- Python
- SQL
- C/C++
- Flask
- Bash
- Flutter
- Firebase
- Git
- MERN Stack

Achievements

- In top 0.08% of 1,000,000 applicants in JEE-Mains 2019
- In top 2.3% of 125,000 applicants in JEE-Advanced 2019
- 96.6% in ISC (XII) Board Exam
- 96.3% in ICSE (X) Board Exam

Courses

Aug '19 - Dec '19

- Computer Programming
- Digital Systems & Microcontroller
- Discrete Structures(Mathematics)
- Real Analysis(Mathematics)

Jan '20 - May '20

- Computer Systems Organisation
- Data Structures and Algorithms
- Intro to IOT
- Intro to Software Systems
- Linear Algebra(Mathematics)

Aug '20 - Dec '20

- Algorithm Analysis and Design
- Computer Systems Engineering
- Data and Applications
- Probability and Statistics (Mathematics)
- Science - I

Jan'21 - May '21

- Automata Theory
- Design and Analysis of Software Systems
- Intro to Brain and Cognition
- Intro to Human Sciences
- Intro to Quantum Information and Computation
- Machine, Data and Learning
- Science - II
- Software Programming for Performance