

Ayushman Choudhary
B.Tech Chemical Engineering (2024)
CPI: XX.XX

200020039
UG Second Year
19/7/2021

Pursuing a **Minor in Computer Science and Engineering** along with **Honors in Chemical Engineering**

SCHOLASTIC ACHIEVEMENTS AND AWARDS

- Currently **Department Rank 10** among **137** Chemical Engineering Undergraduates [Present]
- Awarded **KVPY Scholarship** with an All-India Rank of **511** [2020]
- Secured an All India Rank **1974** in **IIT-JEE Advanced** | a percentile of **99.82%** in **JEE Mains** [2020]
- Awarded **School Topper** in Class **XII** among **100+** students with a score of **100/100** in **Mathematics** [2020]
- Awarded **School Topper** in Class **X** among **100+** students with a score of **99/100** in **Mathematics, French, Computer Science and Science** [2018]

KEY PROJECTS

Covid Scraper (PyCK)

[June'21 - Jul'21]

Web Scraping project

Project Guide: Aryan Agal

An solo project on the principle of **Data Science** that works on **Web Scraping** using **Django** and **BeautifulSoup** libraries of **Python**

- The webpage gathers data from various websites and displays it in an organized manner
- Google API for JavaScript is used for rendering an interactive world map, to display total cases in every country in a colour-coded manner.
- Recent updates is gathered from Google News which can be viewed in a pop-up modal by clicking on a bell-icon.

News App (ISC Assignment)

[May '21]

Angular App

Project Mentor: Danish Angural

- Displays news fetched from newsapi.org on a card template system.
- Divided the website into different sections such as India, Business and Politics to display category specific news.
- An API key is generated, integrated with Angular system , written in TypeScript for the backend programming.

Blog Website

[May '21]

ICC Web Convener Selection Assignment

Project Mentor: Nikhil Mandhani

- Built a blog page for internship registration.
- User Login and Registration process for user specific content display.
- Upload of resume to the blog and options to manage applied internships.

LEADERSHIP AND TEACHING ROLES

Web Convener | Institute Cultural Council

[June '21 - Present]

- Working in a team of three under a Web Nominee, catering to maintenance and designing of various websites of different cultural teams.
- Working on PET projects spanning for purposes of all ICC requirements.

TECHNICAL SKILLS

Programming

C/C++, MySQL, Python, HTML, CSS, SASS, JavaScript, PHP, Django, BeautifulSoup and ~~TeX~~

Software

AutoCAD (2-D), SolidWorks, Ansys, MaxQuant, DWSIM, Aspen, LAMMPS, VMD, Ovito

KEY COURSES UNDERTAKEN (*Ongoing)

Biology	Introduction to Biology - Molecular, Physical & BME, Cellular and Molecular Biology, Medical Imaging Physics, Biomedical Microsystems, Fundamentals of Tissue Engineering
Physics	Introduction to Quantum Mechanics - Photo-electrics Effect, Bosons, Planck's constant, Stefan's Law, Step-Potential, Leaking Effect
Computer Science	Introduction to Computer Science - Variables, Loops, Functions, Classes, Structures
Chemical Engineering	Transport Phenomena, Fluid Mechanics, Heat Transfer, Thermodynamics (I&II), Reaction Engineering*, Mass Transfer*, Solid Mechanics*, Advanced Transport Phenomena*
Mathematics	Calculus, Linear Algebra, Differential Equations, Numerical Analysis, Data Analysis

EXTRA-CURRICULAR ACTIVITIES

- Currently an **intern** at **AKS Software Ltd.**, working on Sugarcane app management and delivery.
- **Career counseled** underprivileged students and spread awareness about **climate change** as a part of **Abhyuday**
- Secured **Special Mention** in **WnCC Hackathon** in Game Development using Unity on Covid theme.
- Developed an **ML-based chat-bot** for Mood Indigo website as a part **Mood Indigo Web convener, 2021**