Hritesh

Final Year Undergraduate
Department of Civil Engineering, IIT Kanpur

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Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2020 - Present	B.Tech	Indian Institute of Technology, Kanpur	6.9/10
2019	CBSE(XII)	Sacred Heart Sr. Sec. School, Kota	75%
2017	CBSE(X)	Rajdhani Public School, Bansur, Alwar	10/10

Scholastic Achievements

- Secured **All India Rank 9917** in **Joint Entrance Examination Advanced (JEE) 2020** among the 2.5 Lakh candidates.
- Secured **All India Rank 5669** in **Joint Entrance Examination Mains 2020** among the 1.1 million candidates.
- Received a certificate of merit for outstanding academic performance in Class X by the CBSE Board.

Work Experience

Software Developer Intern | Crescent Business Solutions Pvt. Ltd. (DBA Rucards)   *May'23 - July'23*

Objective	• To develop and implement an **API** with **third-party API integration**, a **role-permission** module, and **admin tools**.
Approach	• Developed and Integrated **APIs**, including **third-party** ones and used **external services** improving project performance • Designed and implemented intuitive **admin tools** with **user-friendly interfaces and APIs** to automate workflow and reduce administrative workload, improving operational efficiency. • Developed and implemented a secure **role-permission module** for controlled project feature access based on roles and customized permissions, utilizing **Flask-SQLAlchemy** for efficient database management.
Result	• The **admin tools** efficiently save both **time and resources**. Learned more about **project management structure** as well. • Acquired valuable experience in full-stack web development, utilizing **Angular and Flask frameworks** with various technology like Python (RE module), GIT (checkout, pull), Httpx, Redis-server, celery, PWA, UAT Server, SSO, IAM etc.

Key Projects

Automation of the Electricity Bill fetch: (Self)   🔄 Dec'22

Objective	• To automate the **process of extracting** of consumer information from **K-numbers** in order to **reduce user latency**.
Approach	• Utilised **Python's pandas** package to process **CSV files** and manage input and output. • Developed and Implemented **Playwright script** to automate power bill data retrieval from the **Jan Soochna Site.**
Result	• The **Playwright script** was able to get the **latest bill data** of the **electricity consumer** provided by the **Jan Soochna Site**.

Invoice Project: (Self)   🔄 July'23

Objective	• Develop a tool for **QR code-based product scanning**, **manual product addition**, and **seamless invoice creation.**
Approach	• Developed a **shop management tool** using **Angular and Bootstrap frameworks** for mobile-friendly design. • Integrated **Ngx-Scanner Library** for QR code scanning and utilized **WhatsApp API** for invoice sharing.
Result	• The tool successfully scans **all types** of QR codes, **shares invoices** via WhatsApp, and is **hosted on GitHub** at *link*.

Technical Skills

Programming: C, C++, Python, SQL   **Exposure**: HTML5, CSS3, JavaScript, TypeScript,

Utilities and Frameworks: Git, GitHub, Bootstrap, Tailwind, Flask, Django, OpenCV, Angular, Postgres, Postman, Playwright, Pandas, NumPy, Matplotlib, Micro-Cap.

Positions of Responsibility

Organizer, Cricket (Events), Udghosh'22—Annual Sports Festival, IIT Kanpur   (*Sep'22-Oct'22*)

Leadership	• Led a **2-tiered team** of ten or more secretaries to ensure the festival's smooth execution. • Responsible for **scheduling, venues, transportation, and hospitality** for 16 teams in 16 events over three days.
Initiatives	• Created a comprehensive set of **rules and regulations** to resolve disputes fairly and maintain harmony. • Implemented new ICC T20 rules, including fines for slow over-rates and new batsman at striker end in out caught. • Organized **UDDAN**, a social initiative by UDGHOSH for physically disabled children.
Impact	• Implemented fair competition rules and improved physically handicapped children's lives via the **UDDAN project**.

Relevant Courses   (* Online)

Fundamentals of Computing	Linear algebra and Differential Equations
Introduction to Electronics	Applied Probability and Statistics
The Complete Python Course from Udemy	Computational methods in engineering
Database Management System (DBMS)*	Data Structure and Algorithm*