HRITHIK SHARMA

Third Year Undergraduate
Indian Institute of Technology, Kanpur

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EDUCATION

Year	Degree/Certificate	Institute	CPI/%
2019-Present	B.Tech(Chemical Engineering)	Indian Institute of Technology, Kanpur	**7.66/10.0**
2018	Class XII (ISC)	St. Peter's College, Agra	**95 %**
2016	Class X (ICSE)	St. Peter's College, Agra	**95.6 %**

ACHIEVEMENTS

- **National Winner of NAEST** conducted by **Indian Association of Physics Teachers (IAPT)** in 2017.
- Awarded **IAPT- SHILPA NANDAKUMAR MEMORIAL AWARD** in 2017.
- Secured a **Global Rank** of **363** in CodeChef July Lunchtime 2020 Division 2.
- Secured All India Rank 5074 in JEE Advanced among 200 thousand candidates, conducted by IIT Roorkee.
- Secured All India Rank 4229 in JEE Mains among 1.5 million candidates conducted by NTA.

INTERNSHIP EXPERIENCE

- **Software Developer Intern at DronStudy** *Summer Intern—Jul'20 - Aug'20*
  - Developed and hosted Multi Level Marketing (MLM) Software for the company.
  - Used backend services of **Google Firebase** like Realtime Database, Cloud Storage, and Authentication.
  - Implemented the unique user interface based on their level of marketing and also displaying their downline.
  - Implemented the level based structure of Multi Level Marketing for commission calculation on sale of product.

PROJECTS

- **Web-based Platform for Shloka Recommendation** *UGP Project—Ongoing*
  UNDERGRADUATE PROJECT supervised by PROF. SUVENDU SAMANTA, EE(IITK)
  - Developed the Front-end of a web-based platform which recommends Sanskrit Shlokas based on user search.
  - Worked on the frameworks like **ReactJS** for Front-end and **Django** and used zIndex based display features.
  - Integrated graph based visualiser to display the relationship between the searched and recommended shlokas.
  - Implemented interactive realtime word highligther to highlight similar words in same colors in purport of shlokas.
- **Android Application for Idea Discussion** *Self Project:Idea Hive—Summer 2021*
  - Developed a discussion platform using **React Native** to create groups and post ideas.
  - Used **Google Firebase** for backend services such as Realtime Database, Cloud storage and Authentication.
  - Built the search bar with Autocomplete Suggestion to search for groups and join groups from the search results.
  - Implemented the unique username and unique group name features using the database.
  - Added the request permission functionality for private groups and its approval by group admin, for privacy.
- **Android Application to Download Instagram Posts** *Self Project:Instaload—Sept'20 - Oct'20*
  - Developed an application in **Java** in Android Studio to download posts from instagram using the post link.
  - Used java library to get the HTML of the post then extracted the download link from it.
  - Implemented the viewing option to preview the images or the videos before downloading.
  - Added the functionality for downloading the images or videos using the link and then storing it on the device.
- **Android Application for Transportation Startup** *Self Project:Trucken—Jun'20 - Jul'20*
  - Developed an app in **Java** in Android Studio which acts as a intermediary between Shippers and Truck providers.
  - Used **Google Firebase** for backend services such as Realtime Database, cloud storage and Authentication.
- **Differential Text Highlighter** *Feb '20 - Mar '20*
  ASSOCIATION FOR COMPUTING ACTIVITIES, IIT KANPUR
  - Built a text highlighter that highlights text differentially on the basis of importance of sentences using NLTK.
  - Basics of Natural Language Processing, tokenisation, TFIDF ranked words, extractive summarisation.

RELEVANT COURSEWORK

Introduction to C Programming	Data Structure and Algorithms	Introduction to Electronics
Linear Algebra & ODE	Real Analysis & Calculus	Manufacturing Engineering
Applied Probability and Statistics	Computational Methods in Engineering	Engineering Graphics

TECHNICAL SKILLS

Languages and Tools:	C/C++, Bash, Python, Dart, Java, LaTeX
Web and App Development:	HTML, CSS, JavaScript, ReactJS, React Native, Android Studio, Flutter
Utilities and Databases:	Numpy, Pandas, Matplotlib, Git, AutoCad, SQL, Firebase

POSITIONS OF RESPONSIBILITY

- **Company Coordinator at Student Placement Office, IIT Kanpur** *Jul'20 - April'21*
  - Worked in the interview scheduling process during the Internship Drive.
  - Facilitated contact between companies and students and scheduled interviews during the Placement Drive.
- **Project Mentor ASSOCIATION FOR COMPUTING ACTIVITIES, IIT Kanpur** *April '21 - July '21*
  - Mentored a Flutter app development project to a group of 26 IITK students
  - Mentored the students to develop flutter based apps and evaluating them on group projects

EXTRA-CURRICULAR ACTIVITIES

- Competitive Programming on online platforms like CodeChef: hs1211 and Codeforces: Hrithik_S