

HRITHIK SHARMA

Fourth Year Undergraduate
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EDUCATION

Year	Degree/Certificate	Institute	CPI/%
2019-Present	B.Tech(Chemical Engineering)	Indian Institute of Technology, Kanpur	7.55/10.0
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 159** in CodeChef Starters 24 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 Engineering Intern: RIA INSURANCE** *Summer Intern—May'22 - July'22*
 - Used **JEST** and **REACT TESTING LIBRARY** to write test cases for the Front-end.
 - Tested the dynamic features of the website by writing **UNIT TEST** cases and **INTEGRATION TEST** cases.
 - Developed the **Career Page** in **REACT** for company's website with **Search** and **Filter** Options for Job Search.
 - Created **Job Portal** for **HR Team** to post Jobs with feature to parse Google Docs using **GOOGLE APIs**.
- **Software Developer Intern at DronStudy** *Summer Intern—Jul'20 - Aug'20*
 - Developed **web-based Multi Level Marketing (MLM)** Software using **HTML, CSS, JavaScript**.
 - Used backend services of **Google Firebase** like Realtime Database, Cloud Storage, and Authentication.
 - Created user portal interface based on their level in the marketing Tree and also displaying their downline.
 - Implemented the level based structure of Multi Level Marketing for commission calculation on sale of product.

PROJECTS

- **Web Platform for Shloka Recommendation** *UGP Project—Dec'2021 - Jan'2022*
UNDERGRADUATE PROJECT supervised by PROF. SUVENDU SAMANTA, EE(IITK)
 - Developed the Front-end in **REACT** which recommends Sanskrit Shlokas from **pre-processed** data on search.
 - Used **react-graph-vis** package to **graphically** visualise relationship between searched & recommended shlokas.
 - Created an **interactive realtime** word highlighter to highlight similar words in same colors in purport of shlokas.
 - Worked using **z-index** property of **CSS** to create a **Tour** of the Platform on first visit to the website.
- **Android Application for Idea Discussion** *Self Project:Idea Hive—Summer 2021*
 - Developed a discussion platform in **React Native** which allows to create groups and post ideas.
 - Used **Google Firebase** services like user **Authentication**, **Realtime Database**, and **Cloud Storage**.
 - Built the **search bar** with **Autocomplete Suggestions** to search and join groups from the search results.
 - Implemented the unique username and group name features using the Realtime Database.
 - Added features like private groups, commenting on posts, bookmarking the posts, updating the profile pic etc.
- **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 **Ion** library to get the HTML of the post then parsed the data to get download link.
 - Implemented the option to preview the images or the videos before downloading.
 - Added the functionality to download the images or videos using the link and then storing it on the device.

RELEVANT COURSEWORK

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

TECHNICAL SKILLS

Programming & Scripting:	C/C++, Python, Java, HTML, CSS, JavaScript, SQL, \LaTeX
Frameworks & Databases:	ReactJS, React Native, NextJs, jQuery, Jest, Bootstrap, Firebase, MySQL
Utilities & Tools:	Numpy, Pandas, Matplotlib, Git, Bash, RTL, AutoCad, Android Studio

POSITIONS OF RESPONSIBILITY

- **Company Coordinator at Student Placement Office, IIT Kanpur** *Jul'20 - April'21*
 - Scheduled smooth interview process between companies and students during the Internship and Placement Drive.
- **Project Mentor ASSOCIATION FOR COMPUTING ACTIVITIES, IIT Kanpur** *April '21 - July '21*
 - Mentored a group of 26 IITK students on a Flutter project and evaluated them based on group projects.

EXTRA-CURRICULAR ACTIVITIES

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