SHASHVAT SINGHAM

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EDUCATIONAL QUALIFICATIONS

Year	Degree	Institution	CGPA/%
2020 - present	BS, Physics	Indian Institute of Technology, Kanpur	6.4/10.0
2018-19	CBSE– XII	Archies Higher Secondary School	94%
2016-17	CBSE – X	Air Force School	10.0/10.0

SCHOLASTIC ACHIEVEMENTS

- **All India Rank 2628**, JEE Advanced
- **All India Rank 3103**, JEE Mains
- **All India Rank 223**, JEE Mains (B.Arch / B. Planning)
- **All India Rank 4104**, JEE Advanced
- **All India Rank 2995**, JEE Mains
- **All India Rank 189**, National Aptitute Olympiad (NAO)
- **All India Rank 254**, National Mathematics Olympiad (NMO)
- **All India Rank 403**, National Talent Search Test (NTST)

WORK EXPERIENCE

God's Fire Fellowship Trust *Kanpur (Remote)*
Front-End Developer Intern ⊕ ○ Oct'21 - Dec'21

- Standardized all output with a new, **responsive, mobile-first approach** and strategy.
- Collaborated with product team members to implement new feature developments using HTML , CSS, Java script and bootstrap.
- Assessed UX and UI designs for technical feasibility.
- Implemented new responsive, mobile-first approach which increased mobile traffic by **20%.**

SKILLS

Languages: C/C++, Python, Dart, R , MySql
Exposure : Java, XML , Kotlin ,Reat Native
Web: HTML, CSS, JavaScript,Bootstrap ,Django
Frameworks: Django, Flutter, Bootstrap,Vue.js
Libraries:Tensorflow, Pytorch, Scikit-learn
Utilities: Git, LaTeX, Linux , MATLAB ,Octave

POSITIONS OF RESPONSIBILITY

- **Campus Ambassador**, *Tryst , IIT Delhi, 2022-present*
  Help the coordinators of IIT Delhi in spreading awareness of **Tryst , Technical Festival of IIT Delhi** among **IIT Kanpur** students.

- **Senior Executive , Show Management**
  Techkriti , IIT Kanpur,2022-present
  Help in successfully conducting the Shows and Events like ROBO Games , Technocruise ,TOSC etc in **Techkriti (Asia's Largest Technical and Enterpreneural Fest)** at **IIT Kanpur**.

- **Secretary, ROBOGAMES**, *Techkriti , IIT Kanpur,2022-present*
  Help in successfully conducting the ROBO Games (one of the most eye catchy event) in **Techkriti (Asia's Largest Technical and Enterpreneural Fest)** at **IIT Kanpur**.

- **Volunteered as Assistant Placement Coordinator**
  Student Placement Office (SPO), IIT Kanpur, 2021
  Help in scheduling the placements interviews of the students graduating in 2022 of various companies like JLR , EXL , Bajaj Auto etc.

PROJECTS

Data science : Tweet Emotion Recognition 🗎 ○
Jan'22 - Feb'22

- Using a **Tokenizer** in **TensorFlow** and Padding and Truncating Sequences.
- Creating and Training **Recurrent Neural Networks.**
- Using **NLP** and **Deep Learning** to perform Text Classification in a dataset of **20,000 tweets**.

Portfolio Website ⊕ ○
Aug'21 - Nov'21

- Made a portfolio website **hosted on IIT Kanpur homepage** using HTML , CSS and JavaScript.
- Use Bootstrap to **optimize** for **loading speed** and performance.
- Enhanced **web functionality** and **responsiveness.**

Python Compiler ○
Jan'22 - Feb'22

- Use **Tkinter** to create Graphical User interfaces (GUIs) and all standard Python Distributions.
- All the commands are **tokenized** in **parsed tree** using Tkinter text editor.
- Extended the compiler to generate **3-address code(3AC)** .
- Provided support for functions, classes etc and generate .

IIT Kanpur Student Search ⊕ ○
Jan'22 - Feb'22

- Made a website that scraped the data from the Office Automation Portal .
- Use SSl VPN to access (If outside the campus) the information of all IITK students.

Machine Learning : Neural style Transfer 🗎 ○
Jan'22 - Mar'22

- Load pretrained **VGG-19 model (Convolutional Neural Network)** ;Extract content and style features.
- Create style and content loss function and minimize the total loss to generate **minimize total loss artistic style image**.

Mobile App ○
Nov'21 - Jan'22

- Built a fully-functional **notes app** that runs on **android** , **ios** and **web** ; also it **stores notes locally to device.**
- Allow the user to **change** the **theme** from **dark to light** also **shows stats** of user's notes such as **total notes**, **words written** etc.
- Allows User to **pin notes** and **edit notes.**

RELEVANT COURSES

* Machine Learning	** Probability and Statistics	* Cryptography	Blockchain
* Data structues and Algorithms	Data Science with R programming	CyberSecurity	Linear Algebra & ODE

* Courses by Stanford University **** Courses by IIT Kanpur**