

SHASHVAT SINGHAM

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EDUCATIONAL QUALIFICATIONS

Year	Degree	Institution	CGPA/%
2020 - present	BS, Physics	Indian Institute of Technology, Kanpur	5.7/10.0
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 Aptitude Olympiad (NAO)
- **All India Rank 254**, National Mathematics Olympiad (NMO)
- **All India Rank 403**, National Talent Search Test (NTST)

WORK EXPERIENCE

Urvija AI *Banglore (Remote)*
Data Monetization Intern Dec'21 - Jan'22

- Made a **Business Requirements Document (BRD)** by developing, benchmarks based on research .
- Made a **Product Requirement Document (PRD)** by developing detailed wireframe, prototype, lay down product specifications.- AI /ML, Kaggle data to build the product.
- Increased productivity by **10%** by extracting information using ML algorithms by monetizing the data.

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 ,React Native
Web: HTML, CSS, JavaScript,Bootstrap ,Django
Frameworks: Django, Flutter, Bootstrap,Vue.js
Libraries:Tensorflow, Pytorch, Scikit-learn
Utilities: Git, L^AT_EX, Linux , MATLAB ,Octave

POSITIONS OF RESPONSIBILITY

- **Campus Ambassador**, *Tryst , IIT Delhi, 2022-present*
- **Secretary**, *ROBO Games, Techkriti , IIT Kanpur,2022-present*
- **Volunteered as Placement Coordinator**
Student Placement Office (SPO), IIT Kanpur, 2021

RELEVANT COURSES

* Machine Learning	** Probability and Statistics	* Cryptography	Blockchain
* Data structures and Algorithms	Data Science with R programming	CyberSecurity	Linear Algebra & ODE
* Courses by Stanford University	** Courses by IIT Kanpur		

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.

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**.