Akhilesh Sharma

3rd Year Undergraduate
Computer Science Engineering

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Education

Year	Degree	Institute	CPI/%
2018 - Present	B.Tech in Computer Science Engineering	Indian Institute of Technology, Kanpur	8.8
2018	Class 12th – CBSE Board	Kendriya Vidyalaya Pitampura, New Delhi	91.8%
2016	Class 10th – CBSE Board	Kendriya Vidyalaya Pitampura, New Delhi	9.4

Scholastic Achievements

➤ Secured **206 AIR** in IIT - Joint Entrance Examination Advanced 2018 among **0.2 million candidates**
➤ Achieved **282 AIR** in IIT - Joint Entrance Examination Main 2018 out of **1.3 million candidates**
➤ Secured **All India Rank - 398** in Kishore Vaigyanik Protsahan Yojana National Science Fellowship Program (KVPY) 2016
➤ Secured a rank **156 among 11,700+ participants** in **Google Kickstart Round D** held worldwide (Username - Dragnoid99)
➤ **Master** on Codeforces with a highest rating of **2239** (Username - Dragnoid99)
➤ **Codeforces**: Currently **Ranked 35 all over India** and **highest rated coder** at **IITK**
➤ **5-star** coder on Codechef, with a highest rating of 2142 (Username - dragnoid)

Projects

Life@IITK   *May'19 - July'19*
Programming Club, IITK

➤ Developed, in a team, a **unified web portal** and **app** to **streamline** the life of campus residents by bringing info and schedule of **upcoming campus activities, mess menus** of all hostels and **campus map** at one place
➤ Implemented backend in **Python on Django**, established **data tables** and **API endpoints** to fetch user and events data
➤ Implemented frontend in **ReactJs**, designed **React UI** for calendar with filter and map with pinned location of events
➤ **Won Award** for Project with **best Social Impact**, Summer'19 under **SnT Council, IIT Kanpur**

Face Recognition System ⦿   *May'20*
Self Project

➤ Implemented concepts from **Convolution Neural Network, Regression, Siamese network** to develop a python program to **recognize faces** with help of single images of multiple persons to train on and successfully identify the person in photo

Art Generation using Neural Style Tranfer ⦿   *May'19*
Self Project

➤ Implemented a program that inputs content image & style image & re-draws the content image with style of the style image.

Jumping Man Game ⦿   *Dec'19*
Self Project

➤ Created a video game that is similar to Jumping Dinosaur Game of google chrome using **C++** and it's **Pthread Library**

Web Application to Optimize Debts ⦿   *Dec'18*
Self Project

➤ Developed a Web Application using **ReactJS, HTML and CSS** that optimizes number of transactions needed to settle debts among a group of people.

Technical Skills

Languages: C/C++ | Python | CSS | HTML5 | LATEX | Verilog | Octave
Frameworks/Libraries: Tensorflow | Numpy | Keras | Pytorch
Tools & Softwares: Git/GitHub | AutoCAD | Autodesk Inventor | Fusion 360 | Matlab

Key Personal Skills

➤ Focused and goal driven with strong work ethics
➤ Proficiency in grasping new technical concepts quickly
➤ Self motivated, team builder with a good interpersonal communication and analytical skill
➤ Intuitive and with a natural bent for innovation

Positions of Responsibility

Assistant Coordinator *Mar'20- Present*
Students' Placement Office, IIT Kanpur

- ➢ Responsible for inviting companies for the placement and internship season 2020-21 of IIT Kanpur
- ➢ Developed liaisoning with more than 50 corporate teams to ensure participation in the internship drive
- ➢ One of the leading memebers of a team of 80 members responsible for coordinating the entire internship season 2020-21

Student Guide *July'19- April'20*
Counselling Service

- ➢ Assisted in organising workshops and sessions for the incoming batch of **1000+ students** during Orientation Program'19
- ➢ Guided 6 counselees throughout their first year and helped them in academics and extracurricular activities.

Relevant Course Work

- ➢ Fundamental of Computing
- ➢ Software Development & Operations
- ➢ Data Structures & Algorithms
- ➢ Computer Organisation
- ➢ Discrete Mathematics
- ➢ Real Analysis & Multivariate Calculus
- ➢ Mathematical Logic
- ➢ Linear Algebra & ODE

Certified Coursera Courses :-

- ➢ Machine Learning by Stanford
- ➢ Improving Deep Neural Networks
- ➢ Tensorflow in Practice
- ➢ Structuring Machine Learning Projects
- ➢ Convolutional Neural Networks
- ➢ Neural Networks and Deep Learning
- ➢ Sequence Models