Abhinav Sharma

Roll No.:2022CS12
M.Tech - Computer Science and Engineering
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Github ⓞ | linkedin in

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Tech	Motilal Nehru National Institute of Technology Allahabad	7.80 (Current)	2022-Present
B.Tech	Government Engineering College Raipur	8.58	2018-2022
Senior Secondary	CBSE Board	80%	2018
Secondary	CBSE Board	9.4	2016

EXPERIENCE

- **Dept. of CSE, MNNIT Allahabad** *Aug 2022 - present*
  Teaching Assistant Allahabad
  – CS221 - DBMS Lab, CS341 - Computer Networks Lab

PROJECTS

- **Skin Lesion Detection by Attention Unet** *Aug. 2023 - present*
  M.Tech Project, Dr. Vibhav Prakash, Professor, Dept. of CSE, MNNIT Allahabad Github ⓞ
  – Built a deep CNN model for detecting skin lesions on **ISIC Dataset** using **tensorflow**
  – Compared the performance with different architectures and different datasets of this Attention U-net model.

- **Sahyogi – A Service Based Website** *May. 2023 - July. 2023*
  M.Tech Project, Dr. MM Gore, Professor, Dept. of CSE, MNNIT Allahabad Github ⓞ
  – Built a service based website which connects daily wage workers to common people using MERN Stack.
  – Used **Expressjs** to create backend services, integrated **Nodemailer** to send mails and iframe of google maps to show location of address, worked with **Mongodb** for storing user data in real-time
  – Integrated **Paypal API** for payment.

- **Vehicle Detection & Counter** *Oct. 2021 - Dec. 2021*
  BTech Project, Dept. of CSE, GEC Raipur Github ⓞ
  – Developed model using **OpenCv** and **Python** for detecting and counting vehicles in real time using background substraction techniques.
  – Used **YOLO** and **COCO Dataset** for increasing the accuracy of the model.

TECHNICAL SKILLS

- **Programming**: C/C++, SQL, Python*, Javascript*
- **Database management**: MySQL, MongoDB
- **Tools/Technologies**: Microsoft Visual Studio, Postman, Git*
- **Frameworks**: NodeJS, ExpressJS, Tensorflow, OpenCV
- **Operating Systems**: Windows, Linux* ** Elementary proficiency*

KEY COURSES TAKEN

- Design and Analysis of Algorithms
- Data Structures Lab
- DBMS
- Operating Systems
- Computer Networks
- System Programming Lab
- Computer Organisation & Architecture

ACHIEVEMENTS

- **GATE 2022**, Scored 98.38 percentile among 77,257 student in GATE Computer Science 2022. *2022*
- **Inter College Esports Compitition**, Obtained 1st Rank in the event *2020*
- **Rated 1600+ on Codechef**, *2020*