Valeti Lokesh

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EDUCATION

Year	Degree/Certificate	Institute	CPI/%
2023 - Present	MS(by Research)	Indian Institute of Technology, Kanpur	9.33/10
2022	B.Tech/CSE	MallaReddy Engineering College(MREC)	8.51/10
2018	State Board(TS)XII	Delta Junior College	95%
2016	ICSE(X)	ST. Martin's High School	85%

WORK EXPERIENCE

Year	Organization	Role	Duration
2021-2022	SS&C Technology	Full Stack Developer	7 months
2021-2022	Brane Enterprises	Quality Analyst	2 months
2019	VVV Infotech	Student Trainee	2 months

SCHOLASTIC ACHEIVEMENSTS

- Received the **Academic Excellence Award** for exceptional academic performance in MSR(CSE) for the year 2023.
- Secured **All India Rank 1267** in GATE(Computer Science) 2023.

Key Projects

- **Review Scraping(Review Scraping from Flipkart)(Self)** (*June'23*)
  - Built a Web-Based Review System,Implemented using Flask Framework and Basic HTML and CSS
- **Image Scraping(Image Scraping from Google)(Self)** (*Dec'22-Jan'23*)
  - Built a Web-Based Image Scraping System,Implemented using Flask Framework and Basic HTML and CSS
- **End to End ML Project(Using Linear Regression Model)(Self)** (*May'23-Ongoing*)
  - Built an end to end Linear Regression Model on Gemstone dataset and Built components which are necessary like Exploratory Data Analysis, Preprocessing and Model training to feed as input to the Pipelines by creating necessary paths .
- **End to End ML Project(Food Time Delivery Prediction from Zomato Dataset)(Self)** (*May'23-Ongoing*)
  - Built an end to end ML Project on Zomato dataset,Built Training and Prediction Pipelines and Built necessary components like Exploratory Data Analysis, Preprocessing and Model training to feed as input to Pipelines by creating necessary paths.
- **Bird Species Identification using Deep Learning (B.Tech Project)** (*Aug'21-Apr'22*)
  Guide: Prof. k.Subba Shankar , Department of Computer and Science Engineering, (MREC).
  - Naturally, birds present in various scenarios appear in different sizes, shapes, colors, and angles from human perspective. . By using deep convolutional neural network (DCNN) algorithm will predict the required bird species by using highest score.

Research Experience

- **Oblivious KD-Trees using Distribued ORAMS for applications in Nearest Neighbour Search** (*Dec'23 - Present*)
  Guide - Prof. Adithya Vadapalli
  - ORAM is a cryptographic technique designed to hide the access pattern of a program, preventing observers from learning information
  - the combination of Oblivious KD-Trees and Distributed ORAMs is aimed at creating a privacy-preserving mechanism for nearest neighbor search applications, ensuring that the access patterns and details of the underlying data remain confidential, even in a distributed computing environment.

TECHNICAL SKILLS AND RELEVANT COURSES

- **Programming Languages:** Python, Java, C++, C
- **Software and Libraries:** NumPy, Pandas, Spring Framework, SQL, Tableau, Power BI, Data Visualization, Tensor Flow, Git
- **Masters Courses:** Introduction to Machine Learning,Linux Kernel Programming,Computer Systems Security,Hardware Security
- **B.Tech Courses:** Data Structures & Algorithms, Operating Systems, Computer Networks, Database Management System

Certifications

- **Ethical Hacking, Udemy** (*Aug'22*)
- **Python for Data Science and Machine Learning, Phyiscs Wallah collab INEURON** (*Aug'22*)

POSITION OF RESPONSIBLITY

- **Teaching Assistant for ESC111/112 C Programming** (*Jul'23 -Nov'23, ongoing*).
- **Orientation Team Member (OTM), Counselling Service, IIT Kanpur**

Extra-Curricular Activities

- **Event Organizer, Vishesh'20 (State Level Sport Fest), MREC-TS** (*14 - 16th Mar'20*)
- **entrepreneurship , Content Creator on Youtube , VolleyBall**