Urla Teja

B.Tech Computer Science and Engineering

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Degree	University/Institute	Year	CGPA/Marks(%)
B.Tech Computer Science and Engineering	IIT Hyderabad	2025	7.96
XII (CBSE)	Narayana Collage	2021	95.00%
X (SSC)	DR.KKR Gowtham Educational Institutions	2019	10.00

SCHOLASTIC ACHIEVEMENTS

- Secured an **All India percentile** of **99.78** in **JEE Mains 2021**, out of **1.2 million** candidates appearing in the exam
- Achieved a **top 4% rank** in the highly competitive **JEE Advanced-2021** exam out of **0.15 million** candidates

WORK EXPERIENCE

Legal Craft Pvt.Limited.   **June 2024 - Aug 2024**
Summer Internship
- Developed a highly secure custom object detection model builder application, following the rules of the **top-10 OWASP security.**
- Effectively managed large-scale datasets to accommodate extensive data while ensuring ease of interaction.
- **Tech Stack/Tools :** Flutter, Django REST Framework, Git

PROJECTS

Hostel Room Management System: (Prof. Dr Manish Singh)   **Group Project**
- Developed a comprehensive hostel room management website, integrating features such as room booking and exchange, raise tickets.
- Designed to streamline hostel operations by enhancing communication between students, Hostel Representative, administration .
- **Tech stack:** HTML, CSS, React JS, Node JS, MySQL.

Credit-Card Fraud Detection: **Single Project**
- Lead the development of a robust fraud detection system achieving **100% precision**, **95% recall**, and **98% F1** score using Autoencoders on a large credit card transaction dataset.
- Implemented advanced data analysis techniques to identify fraudulent patterns in transaction data, leveraging machine learning algorithms to uncover hidden insights.
- **Tech Stack:** Python

High-Performance Sudoku Solver with Multithreading: **Single Project**
- Developed an optimized Sudoku solver utilizing multithreading techniques with Pthreads and OpenMP for parallel processing considering thread management to ensure accuracy and reliability.
- Enhanced computational efficiency and reduced solution time by implementing multithreading enabling faster and more efficient problem-solving
- **Tech Stack:** C++

Self-Attention and Transformer Models for Image Classification: (Prof. Dr M. Konda Reddy)   **Single Project**
- Implemented Self-Attention and Encoder-only Transformer architectures from scratch for image classification tasks.
- Analyzed and compared the performance of both models on the CIFAR-10 dataset, focusing on the accuracy and performance.
- **Tech Stack:** Python, PyTorch

Community Question Answer Website: (Prof. Dr. Manish SIngh)   **Group Project**
- Developed a comprehensive CQA platform with an intuitive interface, enabling users to easily search, post, and engage with questions.
- Incorporated features like commenting, search auto-completion, and a cookies-based login system for user sessions and interaction.
- **Tech Stack:** HTML, CSS, React JS, Node JS, MySQL

SKILLS

- **Languages:** English, Telugu, Hindi
- **Programming Languages:** C, C++, Python(basics), JAVA(basics)
- **Web Programming:** HTML, CSS, ReactJS
- **Mobile/Desktop Application Development:** Flutter Programming(Desktop and Mobile Dev), C#.Net(Desktop Dev)
- **Backend Development:** Node JS, Express JS, Django RestFrameWork
- **Python libraries:** Matplotlib, Numpy, Pandas, Scikit-learn, TensorFlow, Pytorch.
- **Databases:** MYSQL, PostgreSQL
- **Tools:** Git, Rest API
- **Operating Systems:** Windows, LINUX

RELEVANT COURSES

CSE: Intro to Artificial Intelligence , Deep Learning, Machine Learning , Fraud Analytics, Data Structures , Algorithms , Data Base Management Systems , Operating Systems , Computer Architecture , Theory of Computation, Compilers, Computer Networks, Fraud Analytics, Introduction to Programming, Discrete Maths, Introduction to Computing.
Mathematics: Calculus , Discrete Mathematics , Probability and Random variables , Linear Algebra , Tranform Techniques, Intro to Statistics, Tensor Techniques and Applications.

EXTRACURRICULAR

Educational Volunteer:
- Volunteered as a tutor for government school students, providing academic support and strengthen their foundational knowledge.
- Focused on enhancing their understanding and fostering a positive learning environment and friendly interaction.

Study of Gods and Religious Narratives:
- Deeply interested in exploring the history of various deities and gods, examining their significance in religious beliefs and practices.
- Engaged in studying the myths, narratives associated with gods including exploration of epic texts such as the Mahabharata and Ramayana.

Fitness Enthusiast:
- Actively participate in gym workouts and structured exercise routines for the development of physical strength and endurance.
- Dedicated to maintaining discipline and consistency in fitness practices to promote overall well-being for physical health.