SRAJAN SHRIVASTAVA

Vidisha, Madhya Pradesh

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COURSEWORK / SKILLS

- DSA
- C++
- SQL
- Software Engineering
- Operating Systems
- Computer Networks
- Machine Learning
- Docker

PROJECTS

HazeHeal ⬈ | Python, Generative AI

- Developed and implemented DehazeGAN, a deep learning model for image dehazing using TensorFlow, incorporating advanced architectures like Instance Normalization and Spectral Normalization for enhanced performance.
- Engineered a custom neural network architecture combining residual blocks, adversarial training, and the Mish activation function to effectively remove haze from images while preserving image quality.
- Implemented sophisticated loss functions including binary cross-entropy and pixel-wise L1 loss, optimizing the model using Adam and SGD with momentum for stable training dynamics.

YouTube Comments sentiment Analyzer ⬈ | HTML, CSS, Python, Flask

- Constructed a cutting-edge sentiment analysis model that deployed LSTM and RNN approaches to evaluateaudience sentiment across 1000 of YouTube comments, resulting in improved content targeting and increasedviewer satisfaction metrics.
- Achieved highest accuracy with the hybrid model, demonstrating a robust understanding of sequence modelingand neural networks
- Developed and implemented NLP models using deep learning frameworks, resulting in a 15% improvement in text classification accuracy and a 20% reduction in processing time

EDUCATION

B-Tech, CSE AI-ML	Vellore Institute of Technology, Chennai	CGPA: 8.65	2025
Senior Secondary	Saket Shishu Ranjan, Vidisha	84.00	2021
Higher Secondary	Saket Shishu Ranjan, Vidisha	84.60	2019

EXPERIENCE

Netlink Software Group America   **Certificate**

Python Developer Intern   *Location: Bhopal*

- Developed and maintained Python scripts for data processing and analysis, automating data pipeline tasks and improving data processing efficiency by 30% using libraries such as Pandas and NumPy.
- Collaborated with a cross-functional team to design and implement a new client management software,resulting in a 25% increase in client satisfaction and a 40% reduction in response times.
- Assisted in debugging and resolving software issues, reducing bug resolution time by 35% through effective use of tools like JIRA and Git for tracking and collaboration

CERTIFICATIONS

- Python 3.4.3 - IIT Bombay
- Machine Learning - Udemy
- Deep Learning - Udemy
- Machine Learning Program - 1 Stop Ai
- Accenture Virtual Internship Program
- 1 stop Ai Virtual Internship Program

EXTRA CURRICULAR

- Ranked in the Top 20 in the 36-hour "Krypthon" hackathon at VIT Chennai.
- Core Committee and Marketing Team member of ViTeach Club, VIT Chennai.
- Represented Madhya Pradesh in the under-17 cricket category.