

SANKURI SRINATH

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About Me

I am a Master's student in Signal Processing at IISc Bangalore with a strong foundation in AI and ML from Vasavi College of Engineering. Passionate about AI, ML, and NLP, I strive to apply cutting-edge research to real-world challenges. My goal is to drive technological advancements and contribute to my country's growth.

Education

Indian Institute of Science, Bangalore	2024 - present
M.Tech in Signal Processing	
Vasavi College of Engineering, Hyderabad	2020 – 2024
B.E in Computer Science and Engineering – AI&ML	CGPA – 8.06
Narayana Junior College, Hyderabad	2018 - 2020
TSBIE – MPC	Percentage – 92%
St. Ann's Grammar High School	2018
Secondary School Certificate	CGPA – 9.7

Technical Skills

- **Programming Languages:** C /Java / Python
- **Advanced Technologies:** AI/ML/DL/NLP
- **Libraries/Frameworks:** TensorFlow, OpenCV, scikit-learn, SciPy
- **Operating Systems:** Windows

Projects

TWO STAGE TRANSFORMER BASED APPROACH FOR VARIABLE LENGTH ABSTRACTIVE SUMMARIZATION

Implemented a two-stage method for variable-length abstractive summarization, integrating BERT-based text segmentation with a Transformer-based summarization module. Achieved 70.0% accuracy in human subjective evaluation on the LCSTS dataset.

HEART DISEASE PREDICTION

Implemented a deep learning model for heart disease prediction using Talos optimization, surpassing existing models with higher accuracy. Leveraged the Heart Disease dataset from the UCI ML Repository for comprehensive training and evaluation.

INTRUSION DETECTION SYSTEM

Designed, implemented, and fine-tuned deep learning models to detect anomalous patterns and classify potential threats within network traffic which improved the IDS's accuracy by 10% through adversarial (GANs) models.

Certifications

- Certified for MCF exam - AI900 Microsoft Azure AI fundamentals.
- Certified as Elite-Silver in NPTEL exam- Programming in Java.
- Certified as Elite in NPTEL exam – Design and Analysis of Algorithms.
- Certifications for completing internships at Rinex and Internshala.

Co-Curricular activities

- Kho - Kho
- Volley Ball
- Shuttle badminton
- Carroms

Leadership Initiatives

- Overall coordinator for CSE Acumen Tech Fest-2024
- Organized an event in the CSE Acumen Tech Fest-2023
- Co-ordinated for street cause club in Vasavi college of Engineering

Declaration

The information provided above is true and accurate to the best of my knowledge.