K N S Sri Harshith

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EDUCATION:

Keshav Memorial Institute of Technology (Autonomous), JNTU Hyderabad, India.
Bachelor of Technology, Computer Science Engineering in Data Science   **2022-2026**
CGPA: **9.14/10**

Maharishi Vidya Mandir, Central Board of Secondary Education, Hyderabad, India.
11th and 12th Standard, Concentrations: Mathematics, Physics, Chemistry   **2020-2022**
Percentage: **92.2%**

SKILLS:

Programming: C++, Dart, HTML, Python, Java, JavaScript

Tech Stack: Flutter + Firebase, MERN

Machine Learning: Pytorch toolkit, Tensorflow toolkit, Transformers

Operating Systems: Linux, Windows.

Cloud-Based Technologies: Basic Knowledge of Training and deployment of ML Models on AWS and GCP

Database: SQL, Firebase, MongoDB

Personal: Quick learner, Team worker, Effective communicator.

CERTIFICATIONS:

Java (Basic) – HackerRank

Hugging Face Agents Course – Hugging Face

Certificate of Excellence – Machine Learning for Cyber Security – C-DAC Hyd

ICSI | CNSS Certified Network Security Specialist – ICSI

Postman API Fundamentals Student Expert – Postman

AI/ML for Geodata Analysis - ISRO

WORKSHOPS & INTERNSHIPS:

Research Intern, CyberGuard 360   **Jun 2024**
  Description: Developing Data Reconstruction Algorithms for Linux based OS via Kernel Programming
Machine Learning For Cybersecurity Bootcamp – C-DAC Hyderabad
  Description: Dived into hands-on sessions on how ML algorithms can be used for effective cybersecurity practices
IITG Summer Analytics 2024
  Description: Completed a 4-week course that focused on understanding and developing various ML and DL techniques, culminating in a capstone project in the final week.

HACKATHONS & ACHIEVEMENTS:

Finalist, Fill the Void, IIT Jammu – Qualified for the final round of the national-level competition.

1st runner up, ML Spark, UOH – Came Second in national level ML Hackathon

4th Place, ML Quest Hackathon, IEEE CIS GHRCE – Achieved top position in a machine learning challenge.

Round 3 Qualifier, Tata Imagination Challenge: Student Track – Advanced through multiple selection rounds in Tata Group's prestigious innovation challenge.

Top 20, IndiaAI CyberGuard AI Hackathon, **MeiTY** – Ranked among the top 20 teams nationwide in an AI-driven cybersecurity complaint categorization using custom BERT and RobERTa Models.

Drafting a US Patent on solution proposed by our team under CyberGuard360

TECHNICAL PROJECTS:

Mobile Diabetic App: (Tech Stack: Flutter, Firebase, Flask)
  Developed an android application to predict Diabetes using ML Models and also a DL Model for Diabetic Retinopathy
  Achieved **85% Accuracy** for both ML and DL model
Lung Sound Classifier: (Tech Stack: Flutter, Firebase, Gen AI)
  Developed a hybrid application to analyze and classify lung sounds in various lung conditions harnessing the power of LLMs
  Performed Data Augmentation to amplify minute lung sound dataset and achieved **86% Accuracy**
SAR Image Colorization & Flood Detection: (Tech Stack: Flutter, Firebase, Gen AI)
  Developed a mobile application to colorize SAR images using a custom CGAN achieving **90% Accuracy** and UNET-R for Flood Detection achieving an impressive **95% Accuracy** on various terrain types.
Biomedical GPT: (Tech Stack: Flutter, Firebase, Flask, Gen AI, Gemma API)
  Developed a flutter mobile chatbot for resolving user queries regarding Biomedical terminology.