Nakkella Sai Hemanth

📞 738-296-9258 — ✉ nshemanth01200@gmail.com — 🔗 linkedin.com/in/nakkella-sai-hemanth —

Career Objective — Motivated MTech student in Artificial Intelligence with a strong background in programming, machine learning, and image processing. Seeking an opportunity to apply my skills in Machine Learning, medical image processing, neural networks, and data analysis.

Skills

- **Languages** Python
- **Databases** MySQL, SQL, Azure SQL
- **ML Frameworks** TensorFlow, PyTorch Basics
- **Data Analytics** Data analysis and visualization techniques

Projects

Implicit Neural Representations & Neural Radiance Fields (NeRF) — **IIT Hyderabad, 2024**
- Developed a project on Neural Radiance Fields (NeRF), applying neural networks to model scene geometry and appearance as continuous volumes of radiance and density.
- Employed advanced techniques like ray marching to render photorealistic images from medical datasets.
- Addressed challenges in memory optimization, data dependency, and real-time rendering, with potential applications in virtual reality and medical imaging.

Detection of Phishing Attack Using GRU — **Raghu Institute of Technology, 2024**
- Designed a deep learning-based system for detecting phishing attacks using the Gated Recurrent Unit (GRU) algorithm.
- Handled sequential data effectively to detect evolving patterns in cyberattacks.

Accenture Data Analytics and Visualization Virtual Experience Program — **July 2023**
- Engaged in a comprehensive data analytics program, focusing on visualization techniques.
- Enhanced analytical and problem-solving skills through real-world simulations.

Learning Management System Using WordPress — **Certimate Infotech Private Limited, May 2023 – Jul 2023**
- Designed and deployed a comprehensive LMS using WordPress, ensuring a user-friendly educational platform.
- Managed eLearning courses, tracking, and content delivery.

E-commerce Website Frontend in EISystems — **Jun 2023 – Aug 2023**
- Spearheaded the development of an engaging and intuitive e-commerce website frontend, enhancing user experience.
- Implemented design principles to optimize customer interaction and satisfaction.

Education

- **Master of Technology in Artificial Intelligence 2024 –** **2026**
  Amrita School of Engineering, Amritapuri, CGPA:8.16
- **Bachelor of Technology in Computer Science and Engineering 2020 –** **2024**
  Raghu Institute of Technology, CGPA: 8.01
- **Board of Intermediate Education, Andhra Pradesh 2018 –** **2020**
  Tirumala Junior College, Rajahmundry, CGPA: 9.54
- **Indian Council of Secondary Education** **2018**
  St Ann's School, Visakhapatnam, Percentage: 74.6

Achievements

- Merit Certificate: Artificial Intelligence and Emerging Technologies, IIT Hyderabad (TalentSprint)
- Secured AIR 2252 in CodeKaze (June 2023)
- NPTEL Certifications: Database Management System, Cloud Computing

Extracurricular Activities

- Participated as Coordinator in a 3-day event "SPIRIT" organized by CSI student chapter of Dept. of CSE, Raghu Instituteof Technology.
- Secured 1st Place in Science exhibition.
- Finance Coordinator for my college Fest "Spiritum"