Lohit Kolluri

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Technical Skills

- Python
- C++
- C
- Microsoft Azure

- Google Cloud
- Node.JS
- React
- Vue.Js

- Three.Js
- Tailwind CSS
- Git
- Github

- Machine Learning
- Linux / Unix
- Nmap / Wireshark
- Metasploit Framework

Professional Experience

Artificial Intelligence Intern   **June 2023 – July 2023**
Edunet Foundation
- Engineered a comprehensive Mental Health Fitness Tracker ML model utilizing Python and scikit-learn.
- Maximized the model's performance by refining model parameters and employing ensemble methods, yielding an outstanding accuracy percentage of 98.50%.
- Leveraged 12 regression algorithms to attain precise outcomes in analyzing and predicting mental fitness levels across 150+ countries.

Mathwork Virtual Internship   **May 2023 – Sep 2023**
Mathwork
- Completed virtual internship, gaining a strong foundation in MATLAB, including data analysis and processing.
- Acquired practical skills in image and signal processing, including segmentation, batch processing, and spectral analysis.
- Developed expertise in machine learning models for clustering, classification, and regression, and customized deep learning techniques for image classification.

Projects

1. **Portfolio Website**
   Utilizing Vite.js, HTML, CSS, and React, my website showcases projects, skills, and offers seamless contact options. Azure empowers seamless deployment for an excellent user experience.
2. **Mental Health Fitness Tracker**
   Leverages regression techniques to evaluate and forecast mental well-being across diverse global populations, encompassing various mental health conditions. Utilizes analysis and prediction methods to derive insights from existing data on mental fitness levels in different nations.
3. **WeatherPedia**
   WeatherPedia, empowered by the API Ninjas' Weather API, showcases my adeptness in utilizing technical skills to fetch and present real-time weather data, demonstrating proficiency in API integration and responsive design.
4. **Payload Master**
   PayloadMaster, orchestrated using the technical prowess, engineer's versatile payloads and efficient listeners across diverse operating systems. Leveraging Metasploit Framework's msfvenom and msfconsole, it constructs, calculates, and optimizes payloads for superior results.
5. **CompileVortex**
   Engineered an online code compiler using React, proficient in compiling and executing C, C++, Python, and Java code. Implemented error handling and status code feedback for streamlined user experience.

Certificates

- Google Cloud Computing Foundations: Cloud Computing Fundamentals
- AWS Cloud Technical Essentials
- Building Transformer-Based Natural Language Processing Applications
- Fundamentals of Deep Learning
- IBM Cybersecurity Analyst Specialization
- Cybersecurity Compliance Framework & System Administration
- Network Security & Database Vulnerabilities
- Penetration Testing, Incident Response and Forensics

Education

Computer Science Engineering   **SRM Institute of Science and Technology**   **June 2022 – May 2026**
- Mastered Python and C programming at SRM University, exhibiting strong technical proficiency and utilized algorithmic thinking to lead efficient problem-solving within team-based projects, demonstrating effective organizational and leadership capabilities.