Karthik Nutulapati

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OBJECTIVE:

Innovative and solution-oriented computer science student with advanced project experience. Seeking an internship to apply a strong programming foundation, contribute to innovative solutions, and further develop technical skills. Passionate about continuous learning and applying knowledge in a practical setting.

ACHIEVEMENTS:

- **4X Hackathon winner**
- **Multi-cloud (Azure, AWS, Google could)**
- **Winners in hack Princeton 2024 for best use of verbwere API and best use of starknet**
- Runner up in Hackfax 2024 for the best implementation of AI/ML
- Winners in HackNC 2023 for best beginner and best use of Zilliz
- Runners up in Patriot Hacks 2023 for the best use of AI/ML

SKILLS & CERTIFICATES:

- **Hacker rank:** Python certificate. 2023
- **Google certified – Introduction to generative AI and Introduction to LLMs**
- **Data Structures and Algorithms, Object-Oriented Programming (OOP)**
- **Java, Python, C, R-language, HTML, CSS, and java-script**
- **Microsoft Office, Git Hub**.
- **High-level math, problem-solving skills,** and **Collaborative**
- **Languages**: English, Telugu, and Hindi

EDUCATION:

Bachelors in Computer and information science   2022-26
George Mason University   **Cumulative GPA Score: 3.48**   Fairfax, Virginia

EXPERIENCE / PROJECTS:

MEDICOGNIZE   March 30, 2024

- **Engineered** a telehealth platform enhancing global healthcare access, integrating AI and blockchain via Verbwire API, MagicPilot.ai, and StarkNet for secure, efficient data handling and smart contracts for patient data access.
- **Implemented** AI-driven diagnostics and video conferencing, using Azure for seamless doctor-patient interactions and an AI assistant for instant access to patient details, improving healthcare delivery.
- **Developed** secure login and data sharing mechanisms with Auth0 and IPFS, ensuring user authentication and privacy, while utilizing Tensorflow for neural network training for accurate diagnostics.
- **Faced and overcame** challenges in integrating complex technologies (Verbwire, StarkNet, Auth0) and curating diverse datasets for AI diagnostics, contributing significantly to telehealth innovation and data security.

FEAT MASON   January 28, 2024

- Developed an advanced AI-powered chatbot tailored for university students and high school graduates.
- Utilizes Azure AI and Azure's Open AI services for cutting-edge performance.
- Automates daily data acquisition through web scraping from multiple university websites.
- Employs sophisticated data processing techniques for optimal data utilization.
- Efficiently vectorizes collected data to facilitate quick retrieval.

WELLSPENT   October 29, 2023

- Developed a financial advisor application with an emphasis on robust dynamic visual analytics to track and interpret user spending habits.
- Architected and implemented automated budget planning features to assist users in financial management.
- Integrated Python-based predictive analytics to forecast financial trends and empower users with proactive decision-making tools.
- Employed R and Zilliz Cloud to create real-time, interactive pie charts for immediate financial categorization and insights.
- Pioneered the use of machine learning algorithms to adapt travel budgets in sync with user financial status, promoting responsible spending.

PATRIOT HELP SERVICES   October 8, 2023

- Developed an informational website to aid George Mason students in choosing premier classes and clubs.
- Integrated Amazon SageMaker for predictive analytics and data processing tasks.
- Engineered a secure authentication system using Express.js and Node.js for the login portal.
- Implemented a real-time assistance chatbot with Amazon Lex to interact with users.