Vedant Tendulkar

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WORK EXPERIENCE

Clever Harvey   Business Development Intern   Internship- LOR

- Analyzed market trends and customer data to identify new partnership opportunities, contributing to a 15% increase in qualified leads for the tech-education platform.

- Collaborated with cross-functional teams, including marketing and product, to align business strategies with customer feedback and product capabilities.

- Communicated product value and technical concepts to potential clients, translating their needs into actionable insights for the development team.

PROJECTS

Cloud-Hosted Secure VPN on AWS

- Architected and deployed a secure **WireGuard VPN** on an AWS EC2 instance to establish an encrypted tunnel for all internet traffic. Hardened server security by implementing systematic network diagnostics and configuring firewall rules using `iptables` and `ufw`.
- **Tech Stack: AWS EC2, WireGuard, Ubuntu Linux, TCP/IP, DNS, SSH, Bash.**

GPU-Accelerated NLP Inference API   LINK

- Developed a high-performance **REST API using FastAPI** to serve a Hugging Face GPT-2 model for real-time, local text generation.
- Containerized the application with **Docker**, optimizing the image with **CUDA** base layers for portability and efficient GPU resource allocation.
- Engineered a complete MLOps workflow from model serving to containerization, creating a scalable and self-contained solution.
- **Tech Stack: Python, FastAPI, Docker, Hugging Face, CUDA**.

Predictive Modeling with Synthetic Data (Research)   LINK

- Investigated the efficacy of AI-generated data by developing and evaluating predictive models like **Random Forest and Logistic Regression**.
- Applied models to diverse datasets to benchmark the performance of synthetic data against real-world counterparts.
- **Tech Stack: Python, Scikit-learn, Pandas, NumPy, Jupyter Notebook**.

EDUCATION

2023 - 2027	B.Tech Computer Science Engineering at **VIT Bhopal**	(CGPA: 8.44/10.0)
	Specialization in Cloud Computing and Automation	

SKILLS

Programming Languages	Python, Java, C, C++
Cloud & DevOps	Azure, AWS, Docker, Vercel, WinSCP, Bash Scripting
Technologies & Libraries	**TensorFlow**, Scikit-learn, Pandas, NumPy
Courses & Certifications	Complete Web Development Bootcamp (Udemy), Fundamentals of AIML (VITyarthi), Applied Machine Learning in Python (Coursera)