Krishna Vamshi S

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EDUCATION

Bachelor of Engineering (B.E) in Computer Science
Osmania University, Hyderabad
CGPA: 7.25/10 | Year of Graduation: 2024
Relevant Coursework: Machine Learning, Deep Learning, Natural Language Processing, Data Structures & Algorithms, Cloud Computing, Agile Methodologies

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, SQL
Web Development: HTML, CSS, JavaScript, Bootstrap
Databases: SQLite3
AI/ML Frameworks: TensorFlow, PyTorch, Hugging Face
Generative AI: GPT, GANs
Cloud Platforms: AWS, Google Cloud Platform (GCP)
Tools & IDEs: WordPress, GitHub, VS Code
Software Practices: Git
Soft Skills: Problem-solving, Critical Thinking, Team Collaboration

PROJECTS

Text Generation Using GPT-2
- Developed a **fine-tuned GPT-2 model** to generate creative short stories.
- Used **Hugging Face Transformers & PyTorch**; achieved **85% coherence** in outputs.

Fake Image Detection with GANs
- Built a **GAN model** (TensorFlow) to detect synthetic images, trained on **MNIST dataset**.
- Integrated **OpenCV** for preprocessing; achieved **92% accuracy**.

Sentiment Analysis Chatbot
- Developed an **NLP chatbot** using **SpaCy & Transformer models (Hugging Face)** to analyze customer feedback.
- **Deployed on AWS EC2** with a Flask API.

CERTIFICATIONS

- **AWS Certified Machine Learning – Specialty** *(Udemy)*
- Deep Learning Specialization *(Udemy)*
- *Natural Language Processing with Hugging Face (Forage)*

ACHIEVEMENTS

- **3th Prize** in *Osmania University's AI Hackathon (2023)* – Developed a **VAE-based image reconstruction tool**.
- *Published blog* on *"Building Generative AI Models for Beginners" (on own blog page)*
- **Class Coordinator:** Successfully managed class schedules, coordinated with faculty, and facilitated smooth communication among students.

INTERNSHIP EXPERIENCE

AI Intern | *IBM SkillsBuild Program. (Jun 2023 – july 2023) – project based intern*
- Improved mental health prediction accuracy by 20% using advanced AI models to analyze mood, stress, and cognitive performance patterns.
- Applied scalable data processing techniques, reducing analysis time by 30% for large mental health datasets.