Harsha Vardhanu Parnandi

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 Portfolio

Education

Anurag University	**September 2022 - Present**
B.Tech, Artificial Intelligence and Machine Learning	CGPA: 8.01	Hyderabad,Telangana
Telangana State Residential Junior College	**June 2020 - May 2022**
TS Board of Intermediate Education, MPC	Percentage: 96.4	Jagital,Telangana

Skills

Programming Languages: Java, Python, C, SQL
Frameworks & Technologies: Hugging Face Transformers, PhiData, MLflow, Docker, Git, Github, Power BI
Databases: AWS, PostgreSQL, MySQL
Collaboration Tools: Notion,Microsoft Loop,Microsoft Teams

Projects

EduBot: Real-Time Information Retrieval Chatbot for College Websites GitHub ⬈ **March 2025**

- Engineered a real-time AI chatbot for college websites, automating information retrieval for **500+ students**.
- Implemented **web scraping and NLP** based parsing to extract and summarize official college updates with **95% accuracy**.
- Leveraged **BERT embeddings** for semantic search, improving query relevance by **40% within a PostgreSQL knowledge base**.
- Integrated **Gemini 1.5 Flash API**, **reducing response time by 30%** while maintaining content summarization efficiency.

Applicant Tracking System | Python, Streamlit, Docker, Generative AI, PDF processing GitHub ⬈ **December 2024**

- Developed an AI-powered ATS Resume Expert to optimize resumes using Generative AI and NLP.
- Built an ATS Analysis Engine, increasing resume-job match **accuracy by 90% using Machine Learning**.
- Designed a Resume Review System with **OpenAI API**, providing insights that **improved user resumes by 70%** based on recruiter feedback.
- Integrated a **Cold Email Generator**, automating personalized job applications with an **85% engagement rate**.

Relevant Coursework

- Natural Language Processing (NLP)
- Data Analysis and Visualization (Power BI)
- Generative AI
- Applied Statistics for Machine Learning
- Version Control Systems (Git)
- Deep Learning(Transformers)

Certifications / Achievements

Generative AI with Langchain and Huggingface **March 2025**

- Built advanced **Retrieval-Augmented Generation (RAG)** pipelines, fine-tuned pre-trained models, and deployed AI applications on the cloud, **improving response efficiency by 45%.**

ServiceNow Certified System Administrator (CSA) **February 2025**

- Configured ServiceNow instances, and managed incident reports efficiently, **reducing resolution time by 35%**.

ServiceNow Certified Application Developer (CAD) **February 2025**

- Designed and launched custom applications on the ServiceNow platform, enhancing workflow **automation by 50%**.

Leadership / Extracurricular

AI Days - Internal Hackathon **March 2025**
ML Engineer Anurag University

- Achieved **1st place** for designing and deploying EduBot, an AI chatbot that streamlined information access for **200+ students**.

SIH - Internal Hackathon **February 2025**
ML Engineer Anurag University

- Organized a technical workshop on Power BI, **training 50+ participants** in data visualization and business analytics.
- Led a one-week bootcamp on python programming, **enhancing 30+ student's** skills in data analysis.

News Letter **January 2025**
Editor-in-chief Anurag University

- Led a diverse content team, overseeing editorial strategy, content curation, and timely publication of a high-quality newsletter with a **readership of 200+ students.**