Bal Narendra Sapa

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SUMMARY OF QUALIFICATIONS

- Programming languages: C, Java, Python.
- Python Libraries:PyTorch, NumPy, Pandas, stats. model, sklearn, SciPy, Matplotlib, Langchain.
- Frameworks: Django, Django REST Framework, Streamlit
- Statistics: Linear Regression, Predictive Analysis using Python, Statistical Analysis.
- Database Query Languages: MySQL, Django ORM
- Version Control and Collaboration: Git, Azure DevOps, GitHub
- Additional Skills: Docker, GitHub packages, GitHub Actions, Devcontainers, Poetry
- Tools: Power BI, Visual Studio Code, Postman
- Knowledgeable in Operating Systems: Windows OS, LINUX.

EDUCATION

University of New Haven — West Haven, CT
Master of Science, Data Science — December 2023
GPA: 3.84/4.0

Rajiv Gandhi University of Knowledge Technologies — Basar, India
Bachelors in technology, **Computer Science** — May 2022
GPA: 9.01/10

INTERNSHIPS

Sunrise Technologies, Remote — Remote
Intern — June 2023 – August 2023

• Developed document processing software capable of answering user questions using Natural Language Processing (NLP) and OpenAI API.
• Utilized Streamlit and Langchain library initially, later transitioning to Django and Django REST framework to create a versatile RESTful API for document processing.
• Gained hands-on experience with Git, emphasizing professional Git workflows.
• Contributed to user management and file storage functionality within the Django-based API.
• Implemented Hugging Face models (Falcon 4b, Falcon 40b, Llama2) to ensure project independence from OpenAI.
• Gained proficiency in project management using Azure DevOps and Agile methodologies, including sprint planning and use of work boards.
• Learned and applied coding standards such as Black formatter and Flake8 linter.
• Acquired knowledge about devcontainers and gained proficiency in utilizing the poetry dependency management tool.
• Gained insights into Docker containerization for efficient deployment.

Cyber Aegis, Hyderabad — Remote, Hyderabad
Intern — April 2021 – June 2021

- Learned about the statistical methods like regression, Principal Component Analysis
- Learned about the important python libraries like sklearn, matplotlib, pandas, stats.model
- Collaborated with a team to create a model that can predict the population in future years based on past data.

IIIT Hyderabad Hyderabad, India
Intern October 2020 – January 2021

- Worked on creating a dataset (Telugu Language) for a model that can summarize text.
- Learned about the libraries about NLP that would be used to perform operations on that dataset.

PROJECTS:

Rajiv Gandhi University of Knowledge Technologies Basar, Nirmal, India
"Protein-Protein Interaction Prediction Using AutoPPI" May 2022

- Created a model that can predict whether the given two proteins interact or not.
- learned about Deep Neural Networks to build the model.
- learned about mathematical methods to encode the proteins into the way we can manipulate for the purpose of training the model.
- learned about python libraries like keras, matplotlib, seaborn to implement the model.
- Read research papers about Protein – Protein Interaction to know more about how to implement the model.

Rajiv Gandhi University of Knowledge Technologies Basar, Nirmal, India
"Product Recommendation System" June 2021

- Implemented a ranking algorithm that can rank products scraped from different e-commerce sites.
- Learned about the Python Libraries like BeautifulSoup, Flask to scrape the data from the websites and rank them.