

Ullas Reddy Chennuri

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EDUCATION

University at Buffalo (SUNY Buffalo)

Master's in Computer Science, AI/ML Specialization

Buffalo, NY

Aug. 2023 – Dec 2024

VNR VJIET College

Bachelor's in Information Technology

Hyderabad, TS

Jul. 2018 – Jun 2022

RELEVANT COURSEWORK

- Deep Learning
- Machine Learning
- OOPS
- Web Applications
- Operating Systems
- Database Management
- Computer Vision
- Software Engineering

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C, C++, Shell Scripting, HTML/CSS, R

Frameworks: React, Angular, Spring MVC, Spring Boot, RESTful APIs, JDBC, Hibernate, microservices

Libraries: NumPy, pandas, PyTorch, Matplotlib, scikit-learn, spaCy, OpenCV, OpenAPI

Databases/Cloud: SQL, MySQL, PostgreSQL, Azure Cloud, AWS

Developer Tools: Maven, Gradle, IntelliJ, Eclipse, VS Code, Visual Studio, Jupyter, Postman, Git, Jira, Testrail, Agile

EXPERIENCE

Junior Machine Learning Engineer Intern

Jun 2024 – Aug 2024

Ascendion

New Jersey, NJ

- Enhanced **clinical trial** accuracy and efficiency using **LLMs** for site and patient selection, reducing selection time by 30% and accelerating trial initiation.
- Research on **risk assessment** with the **GSM** package for site selection, Optimized finance and site risk selections
- Developed an **automated** checklist system using **Hugging Face Transformers** and **GPT LLMs**, increasing speed by **50%** and ensuring **100%** protocol compliance solutions.
- Architected a **Java** backend, **Angular** frontend, enhancing reliability by 25% and reducing processing time by **20%**

Research Student - Under Prof Shamshad Parvin

Jan 2024 – May 2024

University at Buffalo

Buffalo, NY

- Developed a code-free data science pipeline to automate **preprocessing** and build **custom ML models**, supporting 10+ preprocessing techniques and various **classification/regression algorithms**.
- Utilized **React** for front-end, **Flask** for back-end, and **Python** for **machine learning**, processing **datasets**.
- Automated **data cleaning, transformation**, and feature selection, cutting manual effort by **70%**.
- Created an intuitive interface for real-time model **testing** and performance **visualization**.

Software Engineer L1

Aug 2022 – Jul 2023

Workspot

Hyderabad, TS

- Mastered **software development** tasks utilizing **Java, Spring Boot, JDBC, REST, Web, and SQL**.
- Built an **Automated Testing Framework** with Java, Selenium, and Cucumber.
- Performed thorough **performance, network, and security testing** to optimize system functionality
- Configured **PowerShell** scripts for **Azure cloud** to enable **AD** and **AAD** user onboarding and offboarding.

PROJECTS

Fake News Detection Using Liar Dataset | Deep Learning, CNN, RNN, BERT, LSTM Jan 2024 – May 2024

- Achieved a maximum accuracy of **70.88%** by integrating **CNN** with **BERT Transformers** in a hybrid architecture.
- Implemented and evaluated **RNN, LSTM, and Bi-LSTM** models, boosting performance and robustness.

Website for ACMVNRVJIET | HTML, CSS, JS, Node.js, SQL

May 2018 – May 2020

- Collaborated with a team to innovate a website for a university student chapter, integrating a responsive **front-end** with **React** and **back-end** with **Node.js**.
- Applied **Product Management** and **software Engineering methodologies** to **architect** and build the application structure step by step, ensuring a well-designed and cohesive system.