

Yashwanth Reddy Boddireddy

NY | yashwanthreddy7178@gmail.com | [GitHub.com/yashwanthreddy7178](https://github.com/yashwanthreddy7178) | [LinkedIn.com/in/yashwanth-reddy-boddireddy](https://www.linkedin.com/in/yashwanth-reddy-boddireddy) | techbyyash.me

EXPERIENCE

Software Engineering Fellow

07/2024 – 09/2024

Headstarter AI

NYC, Remote

- Built **5+ AI apps** and APIs using **NextJS**, **OpenAI**, **Pinecone** and **Stripe** API
- Successfully led 4+ engineering fellows to deliver projects from design to deployment, enhancing team productivity.

Associate Software Engineer

01/2022 – 09/2023

Accenture, Hyderabad, India

- Utilized **Regular Expressions** and Google's internal tools led to an **80%** improvement in Gemini's response quality by blocking inappropriate content
- Achieved a remarkable **95%** reduction in undesirable content, enhancing **user experience** and platform integrity

SKILLS

- Programming:** Python (2 years), SQL (2 years), R (1 year)
- Software/Frameworks:** AWS, Azure, Langchain, Pytorch, PowerBI, Scikit-Learn, Tensorflow, MongoDB, Hadoop, Docker, MLFlow, Sagemaker

PROJECTS

AI Mock Interviewer | Startup in Progress

- Developed a **Next.js**-based AI Mock Interviewer application integrating OpenAI's **GPT-4 LLM API** to simulate realistic interview scenarios across **5+** interview types
- Implemented speech recognition and text-to-speech, cutting user input time by 40%
- Designed dashboard with interview history and analytics for 10+ key metrics
- Applied **Prompt Engineering** techniques on each interview types and Feedback pipeline producing accurate Questions and Feedback. **Fine-tuned** LLM for better performance

T20 world cup cricket data analytics | personal project (~30 hours)

- Developed a **Power BI report** to decide top 11 T20 players using data scraped from ESPNcricinfo and analyzed with pandas.
- Used the resulting Power BI **dashboard** to select players for various categories (openers, middle order/anchors, finishers, all-rounders, specialist fast bowlers) and ultimately choose the top 11 players to play in the match.
- The team chosen via the Power BI dashboard has a **90%** probability of winning the match.

Wine Quality Prediction application using MLOps practices | personal project (~100 hours)

- Led the creation of a Wine Quality Prediction tool using **MLOps**. Employed **MLflow** for **30+** trials, boosting model precision by **15%**
- Implemented CI/CD with GitHub Actions, cut deployment time by 40%. Managed AWS app for 500+ daily users
- Attained **97% accuracy** in predicting wine quality, highlighting technical expertise in machine learning and **cloud deployment**

EDUCATION

New Jersey Institute of Technology

Newark, NJ

Master of Science in Data Science, Statistics

Expected Graduation: May 2025

Relevant Coursework: "Data Structures & Algorithms, Software Engineering, Machine Learning, Deep Learning"