

Snehitha Pothina

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[LinkedIn](#)

EDUCATION

Texas Tech University, Lubbock, TX
Masters in Computer Science

May 2025
GPA: 3.8975

Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam, India
Bachelors in Computer Science

May 2023
GPA: 9.37/10

PROJECT EXPERIENCE

Video Insights: AI-Driven YouTube Transcript Summarization

January 2025 – March 2025

- Built a tool to transcribe and summarize YouTube videos using the YouTube Transcript API and Google Generative AI. Developed an interactive app with Streamlit for real-time video summarization.

Skills: Python, Streamlit, NLP, API Integration, YouTube Transcript API, Google Generative AI.

Coupling Macro, Sector, and Micro Indicators for Stock Representation Learning

July 2024 – August 2024

- Implemented a stock representation model by integrating macro, sector, and micro financial indicators to reduce prediction uncertainty.

Skills: Machine Learning, Time Series Analysis, Financial Data, Deep Learning, Python, TensorFlow/PyTorch.

Movie recommender System

August 2022 – October 2022

- Built a personalized movie recommender system using machine learning to suggest movies based on user preferences and interests.

Skills: Machine Learning, Recommender Systems, Data Processing, Python, Pandas, Scikit-Learn.

Detection of Phishing Websites

January 2022 – April 2022

- Built a deep learning model to detect phishing websites, leveraging web scraping and NLP for feature extraction.

Skills: Deep Learning, Cybersecurity, Web Scraping, NLP, Python, TensorFlow/PyTorch, Streamlit

PROFESSIONAL EXPERIENCE

AMAZON HYD-13, Telangana, India

Quality Assurance Engineer

01/2023-06/2023

- Optimized operational efficiency by automating on-call report generation with Tamper Monkey scripts and Sidekick, reducing manual effort by 60%.
- Enhanced system reliability by designing and executing integration test cases, ensuring seamless plugin builds and reducing deployment failures.
- Improved user experience by conducting regression testing for the cart system, identifying critical issues, and collaborating with developers for resolution.
- Accelerated order processing by reducing mock order creation time by 75% through Cypress and Python automation, enhancing fulfillment accuracy.
- Enabled real-time monitoring by integrating latency data into a dashboard, facilitating performance analysis and system optimization.
- Demonstrated strong collaboration and leadership by effectively communicating with cross-functional teams, ensuring smooth project execution and timely issue resolution.

CERTIFICATIONS

IBM Data Science - Coursera

Cypress E2E Testing - Udemy

AI-ML Virtual Internship – AICTE and Edu Skills

Programming essentials in Python - Cisco Networking Academy

Advanced Programming in C – Cisco Networking Academy

KEY SKILLS

Programming Languages : Python, Java, C, C#,JavaScript

Testing Frameworks : Cypress

Databases: SQL, NO SQL(MongoDB)

Technologies: Artificial Intelligence and Machine Learning

Cloud Technologies: AWS

Soft Skills: Communication, Teamwork, Problem-Solving, Critical Thinking, Time Management, Leadership

- Experience with version control systems such as GIT
- Strong problem-solving skills demonstrated through active participation in coding challenges (HackerRank, LeetCode) with focus on data structures and algorithm optimization.
- Experienced in designing comprehensive test cases, including integration and regression tests, to validate software functionality and ensure quality.