

Rishik Reddy Yesgari

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EDUCATION

Bachelor of Science in Computer Science

May 2027 | Newark, NJ

New Jersey Institute of Technology

- **GPA:** 3.97 | **Awards:** Highlander Achievement Scholarship Recipient, Dean's List: 2023, 2024
- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Probability and Statistics, Linear Algebra, Web Development, Discrete Math, Programming Language Concepts (C++) Intro to Data Science, Intro to Machine Learning
- **Campus Involvement:** Webmaster for Kids Who Code (KWC), Member of ACM and NJIT Archery Club

SKILLS AND CERTIFICATIONS

Programming Languages: Python, Java, C++, SQL

Libraries & Tools: Pandas, Numpy, Seaborn, Scikit-learn, Flask, TensorFlow, GitHub, MySQL, Tableau, Streamlit

Software & Platforms: Visual Studio, Anaconda, Microsoft Azure, MS Excel

Soft Skills: Adaptability, Attention to Detail, Teamwork

Languages: English, Hindi, Telugu

Certifications: Data Science Fundamentals (NASBA), Microsoft Certified: Azure Data Scientist Associate

PROFESSIONAL EXPERIENCE

Research Assistant

Apr 2025 – present | Newark, NJ

Prof. Chengjun Liu, NJIT

- Supporting computer vision research on rosacea detection by preprocessing image datasets and experimenting with different machine learning model parameters using Python and preprocessing images with OpenCV
- Assisting in literature review, conducting comparative model analysis based on experimental results

Research Assistant

May 2024 – Dec 2024 | Newark, NJ

Dr. Alisha Pradhan, Department of Informatics, NJIT

- Conducting survey-based research on digital behavior and risk awareness among older adults to support AI-driven fraud prevention tools
- Analyzing collected data through qualitative data analysis, extracting trends and informing improvements to system design and intervention strategies

Tutor

Jan 2023 – Apr 2023 | Hyderabad, India

Gnana D World High School

- Helped students across multiple subjects by breaking down complex topics into simple, easy to understand steps
- Guided exam prep and assignment work, leading to noticeable improvement in student performance

PROJECTS

Doodle Classification with LSTM (Inspired by Quick, Draw!)

Python, TensorFlow, Flask, NumPy, RNN

- Trained and deployed an LSTM model achieving 97% accuracy on real world stroke data for 20 object classes
- Designed a preprocessing pipeline to transform raw JSON stroke input into model ready sequences
- Built Flask backend APIs to receive sketch input from the frontend, run real-time inference with the trained model, and return predictions through low-latency REST endpoints

Fork It – Group Restaurant Recommendation System

Python, Scikit-learn, Pandas, Flask, TF-IDF, Cosine Similarity

- Developed a Flask backend that receives JSON formatted group preferences from the frontend and processes them using a hybrid pipeline with TF-IDF for queries and one-hot encoding for categorical filters
- Aggregated individual user vectors via weighted averaging, computed cosine similarity scores against a Trenton specific restaurant dataset scraped from Google, and returned top-ranked results to the frontend via REST API

ACTIVITIES

Incoming AI/ML Fellow Break Through Tech @ Cornell Tech

Jun 2025 – Jun 2026

Fellow

Selected for a year-long virtual fellowship focused on applied machine learning and real-world AI projects

Propel2Excel

Dec 2024 – present

Fellow

A non-profit organization with the mission to increase representation of non-targeted university students pursuing careers in Tech (FAANG), Consulting (MBB), and Finance