

Rissi Kumar Prabhakaran

+1 (720) 270 5065 | ripr8775@colorado.edu

[LinkedIn](#) | [Github](#)

EDUCATION

University of Colorado, Boulder

Masters in data science

GPA: 3.7

Boulder, Colorado

August 2024- May 2026

Anna University

Bachelor of technology in Artificial Intelligence and Machine Learning

CGPA: 8.43/10.00

Chennai, Tamil Nadu

June 2020- May 2024

Technical SKILLS

Programming Languages: Python, R, SQL, Bash

Tools: Microsoft Excel, Git, PowerBI, Tableau, Linux, Airflow, Docker

Cloud/Data Platforms: AWS, Azure, Google Cloud, Microsoft Fabric, Snowflake, Databricks

Databases: SQL Server Management Studio, Postgres, MySQL, MongoDB

EXPERIENCE

Vlog Innovations

Chennai, Tamil Nadu

AI Intern

January 2023 - June 2023

- Deployed an NLP pipeline for sentiment analysis, achieving a 94% classification accuracy.
- Optimized transformer-based architectures using TensorFlow, achieving a 15% increase in accuracy.
- Integrated Snowflake for data warehouse scalability and improved data retrieval time by 30%.
- Leveraged Microsoft Azure for real-time analytics and reduced data processing time by 35%.

Pantech E-Learning

Chennai, Tamil Nadu

AI Intern

June 2022 – November 2022

- Developed a computer vision framework utilizing YOLOv5 and ResNet, achieving a 92% precision.
- Pioneered a healthcare diagnostic model using ResNet, improving accuracy by 25%.
- Automated data workflows using Docker, reducing manual intervention by 30%.
- Implemented data visualization dashboards using Tableau, achieving a 15% increase in quarterly revenue.

PROJECTS

Smart Fields: Enhancing Agriculture with Machine Learning

August 2023 – June 2024

- Took over 10,000 real time images of various crops to train the model.
- Utilized ResNet algorithm for predicting the diseased plant by analyzing the diseased crops with accuracy of 91%.
- Employed Random Forest algorithm for crop recommendation system, achieving an accuracy of 92%.

PIFA (Physician Interpreter for all)

November 2022 – November 2023

- Leveraged Extractive Summarization to provide an overall summary of the medical records with an accuracy of 91%
- Used Whisper to convert the instructions delivered by the doctor to text.
- Achieved up to 85% accuracy in answering patient queries by deploying a BERT powered question-answering system.

Audire

August 2022 – February 2023

- Developed a real-time job locator to propose special needs jobs, increasing placements by 25%.
- Enhanced back-end functionality by integrating Django and Flask frameworks, reducing server response time by 30%
- Deployed an SOS system utilizing autoencoders, leading to a 40% increase in system reliability and security.

PUBLICATIONS

"Smart Fields: Enhancing Agriculture with Machine Learning" 2024 2nd International Conference on Artificial Intelligence and Machine Learning Applications, Theme: Healthcare and Internet of Things (AIMLA).

LEADERSHIP ACTIVITIES

Enactus Club

August 2021 - August 2023

The marketing Associate

- Our project "IKEBANA" won the TNSI award along with a cash prize of 1 lakh.
- Managed a database of 82 participants, payment, profile and arrival information to facilitate conference logistics.

Innoventzz

August 2022 - May 2024

The Overall coordinator

- Launched and led INNOVENTZZ 2022 and INNOVENTZZ 2024, the first-ever symposium for our Artificial Intelligence and Machine Learning department.
- Organized a mix of tech and non-tech events, showcasing leadership and fostering collaboration among peers.