Rissi Kumar Prabhakaran

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LinkedIn | Github

EDUCATION

University of Colorado, Boulder	**Boulder, Colorado**
Master's in data science	**August 2024- May 2026**

Anna University	**Chennai, Tamil Nadu**
Bachelor of technology in Artificial Intelligence and Machine Learning	**June 2020- May 2024**
CGPA: 8.43/10.00	

SKILLS

Programming Languages: Python, C, C++, R, HTML/ CSS, JavaScript, SQL.
Technologies/frameworks: Microsoft Excel, VS Code, Git, Flask, Django
Libraries: Numpy, Pandas, Tensorflow, Keras, Scikit-Learn, Matplotlib, Seaborn

EXPERIENCE

Vlog Innovations	**Chennai, Tamil Nadu**
AI Intern	**January 2023 - March 2023**

- Operated CNC machines and 3D printing equipment, successfully completing 23 precision driven projects.
- Optimized complex problems using evolutionary computation algorithms, achieving a 32% improvement in solution efficiency.
- Integrated Gen AI to develop a customer friendly chatbot.
- Designed a cyber security-based project for targeting the identification of brute force attacks.

Pantech E-Learning	**Chennai, Tamil Nadu**
AI Intern	**June 2022**

- Incorporated over 10 Deep Learning algorithms for Sentiment analysis model.
- Completed 5 hands on projects on convolutional neural networks, natural language processing, and computer vision.
- Enhanced my soft skills through interactions with over 10 industrial professionals.
- Developed a sentiment analysis model for marketing that showed an accuracy of about 94%.

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 the ResNet algorithm for the plant disease detection system that accurately predicts the diseased plant by analyzing the diseased crops.
- Employed the Random Forest algorithm to build the crop recommendation system, which achieves an accuracy of 99% and is also integrated with a functional website.

PIFA (Physician Interpreter for all)	**November 2022 – November 2023**

- Leveraged a text summarization tool to provide an overall summary of the medical records for a patient.
- Used speech-to-text conversion technique to convert the instructions delivered by the doctor to text.
- A question-answering system has been employed to assist the patients.

Audire	**August 2022 – February 2023**

- Developed a real-time local job finder for the special needs community.
- Leveraged Django and Flask to enhance the back-end work.
- Deployed a SOS system with enhanced security features.

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).