

Koushik Asrith Mulavisala

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in linkedin.com/in/koushik-asrith 🐙 github.com/koushikasrith Portfolio

Career Objective

Aspiring Machine Learning Engineer and Computer Science student with a solid foundation in Python, machine learning algorithms, and model deployment. Passionate about building intelligent, data-driven solutions that solve real-world problems. Seeking an entry-level role or internship to apply ML and data science skills, contribute to collaborative agile teams, and grow in a dynamic, innovation-focused environment.

Technical Skills

Programming Languages: Python, Java, C++.

ML-Libraries: scikit learn, tensorflow.

Databases: MySQL, MongoDB

Core Concepts: Data Structures, Algorithms, OOP, OS, DBMS

Experience

Blackbucks Virtual Intern

June 2025 – July 2025 GitHub

- Gained hands-on experience in **Machine Learning** at **Blackbuck Engineers**, working with real-world datasets and implementing supervised and unsupervised models using **scikit-learn**, **TensorFlow**, and **Keras**.
- Designed and trained a **Machine Learning income prediction model** with end-to-end workflow including data preprocessing, feature engineering, correlation-based feature selection, and model evaluation

Projects

Crop Recommendation System with Machine Learning

GitHub — Live Demo

- Developed a crop recommendation web app using **Flask** and **scikit-learn**.
- Trained and deployed ML models on agricultural datasets for accurate predictions.
- Designed a simple UI to collect inputs like Nitrogen, Phosphorus, pH, and Temperature.

Heart disease prediction with Machine Learning

GitHub

- Built and evaluated multiple ML models (Logistic Regression, Decision Tree, Random Forest, KNN, Naive Bayes) using **scikit-learn**.
- Compared model performance using preprocessing, confusion matrices, ROC curves, and key metrics like accuracy, precision, and F1-score.
- Identified **Random Forest** as the top-performing model based on evaluation results.

Extracting Emails from Gmail using Python

GitHub

- Developed a Python-based mini project to securely extract and process Gmail emails using OAuth 2.0. Implemented the Gmail API to fetch, read, and store email data programmatically.

Education

Sagi Rama Krishnam Raju Engineering College

B.Tech in Computer Science and Engineering (CGPA: 8.52)

2022 – 2026

Bhimavaram, AP

Narayana Junior College

Intermediate in M.P.C Stream (Percentage: 90.0%)

2020 – 2022

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Sarada High School

2019-2020

Secondary school of education (Percentage: 95.2%)

parchur, AP

Achievements

Solved 230+ coding problems on LeetCode 🏆.

Solved 130+ coding problems on Geeks for Geeks 🏆.

Certifications

Python for data science: NPTEL 🏆

Introduction to Data Science: EDX 🏆

Programming Essentials in Python – Cisco 🏆

ML-Connect: Workshop conducted on machine learning basics — 🏆