

# SHAIK ASHA

Shaik Asha

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## EXPERIENCE: Internships

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### Machine Learning Model Development and Deployment Internship Project under Google AI/ML Developer Program

#### – Edu Skills

March 2024

- Built and trained supervised and unsupervised machine learning models using real-world datasets.
- Used Scikit-learn, Pandas, NumPy, and Matplotlib for data processing, model development, and result visualization.
- Completed the full ML pipeline: data preprocessing, model training, testing, tuning, and evaluation.
- Implemented algorithms like Linear Regression, Decision Trees, KNN, K-Means Clustering, and Naive Bayes.
- Evaluated models using accuracy, precision, recall, F1-score, and confusion matrix, enhancing prediction accuracy.

## Projects

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### YouTube Spam Comments Detection Using Cascaded Ensemble Machine Learning Model Academic Project

- Developed an intelligent system to detect and filter spam comments on YouTube using a Cascaded Ensemble Machine Learning Model.
  - Applied a combination of ensemble techniques such as Random Forest, XG Boost, and AdaBoost to improve classification accuracy and reduce false positives.
  - Preprocessed user comment data using Natural Language Processing (NLP) techniques including tokenization, stop-word removal, stemming, and TF-IDF vectorization.
  - Evaluated the model using performance metrics such as accuracy, precision, recall, and F1-score, achieving higher reliability over traditional models.
- ☑ Designed the frontend using HTML, CSS, and JavaScript, with the backend implemented using Python and Django ORM for seamless integration and deployment.

## EDUCATION

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Degree	Specialization	Institute	Year	CPI
B. Tech	Computer Science & Engineering	JNTUK	2024	7.45
MPC BIEAP	Physics, Chemistry, & Mathematics	Vikas Junior College	2020	7.4
SSC STATE	-	ZPP High School	2018	9.2

## ADDITIONAL

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**Programming Languages:** Python(oops) , AI & ML(supervised, unsupervised , reinforcement)

**Development Frameworks:** Matplotlib, Pandas, NumPy

**Databases:** SQL