

APOORVA BANDI

Computer Science Graduate Student

+1(682)-373-3197



bandiapoervaa@gmail.com



[ApoorvaBandiWebsite](#)



SUMMARY

An accomplished computer science graduate with a strong foundation in programming, algorithms, and data structures. Proficient in multiple programming languages including Python, Java, and C++. Extensive experience in developing software applications, web services, and database management systems. Skilled in machine learning, deep learning, and artificial intelligence techniques. Seeking challenging opportunities to apply technical expertise and contribute to innovative projects.

EDUCATION

Jawaharlal Nehru University

Bachelor's Degree in Computer Science
2019 - 2023

University of Texas at Arlington

Master's degree in Computer Science
2023-present

SKILLS

- Programming Languages: Python, Java, C++, SQL, JavaScript
- Web Development: HTML, CSS, React
- Database Management: MySQL, MongoDB, Oracle
- Data Structures and Algorithms
- Operating Systems: Windows, Linux, macOS
- Analytical Skills: Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Data Mining and Analysis, Statistical Modeling

CERTIFICATIONS

- Professional Certificate on Google Data Analytics.
- Certificate for completion of C, C++, Python training from IIT Bombay.
- HackerRank certification on Problem Solving skills.

PROJECTS

Detecting Autism Disorder with Computer Vision

The project provides a free preliminary diagnostic tool that can aid people in their decision to pursue further ASD testing. It's important for models that have significant real-world impacts to represent their results.

Naive Bayes Classifier- Predicting whether an essay is AI generated or not

Developed a Naive Bayes Classifier to distinguish between human-written and LLM-generated essays. Preprocessed text data, created vocabulary and reverse index, calculated word probabilities with Laplace smoothing. Achieved 71% accuracy on the development set, with consistent performance across different smoothing parameters. Analyzed top predictive words for each class, providing insights into linguistic patterns. Demonstrated the practical application of machine learning in text classification and authenticity detection.

Petals to the Metal: Flower Classification using Transfer Learning and TPUs

Developed an image classifier to categorize 104 different types of flowers using transfer learning techniques. Leveraged Tensor Processing Units (TPUs) to accelerate training and inference on the provided TFRecord dataset. Implemented data preprocessing, model architecture design, and distributed training across multiple TPU cores. Evaluated model performance on the validation set, generated predictions for the test set, and submitted results.

Titanic Survival Prediction: Machine Learning from Disaster

Developed a machine learning model to predict survival of Titanic passengers using the provided dataset. Implemented data preprocessing, feature engineering, and a Support Vector Machine (SVM) classification model. Achieved 77.75% accuracy in predicting passenger survival on the test set.