

ARJUN RAMAVATH

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Education

National Institute of Technology , Kurukshetra

Bachelor of Technology in Computer Science , CGPA - 7.03

Dec. 2021 – May 2025

Kurukshetra, Haryana

Projects

Social Media Website | *HTML , CSS , JavaScript , VsCode (Link)*

March 2023

- Developed a responsive full-stack website using MERN stack (MongoDB, Express.js, React.js, Node.js) for user account creation, profile management, and image uploads.
- Implemented a robust friend network feature, allowing users to expand their connections by adding friends to their list.
- Enhanced user engagement by integrating like and comment functionality for posts, promoting user interaction and social engagement.
- Demonstrated proficiency in building a comprehensive web application with a focus on user experience and social networking features.

Pet Detection | *Python , Google Colab , Jupyter Notebook (Link)*

May 2023

- Leveraged numpy, pandas, and tensorflow to implement Convolutional Neural Networks on a dataset containing cat and dog images . Specializes in image classification, accurately determining whether an image portrays a dog or a cat.
- Conducted key steps in the CNN workflow, including data preprocessing, model building, training, and evaluation.

Bank Customer | *Python , Google Colab (Link)*

June 2023

- Constructed an advanced Artificial Neural Network (ANN) leveraging TensorFlow, NumPy, and Pandas to predict customer attrition in a banking using card score, gender, age, and salary data, attaining an accuracy rate of 86%.

Salary Prediction | *Python , Google Colab*

July 2023

- Utilized NumPy, Pandas, and Scikit-Learn to implement Polynomial Regression, Decision Tree, Random Forest, and Support Vector Regression on a dataset featuring job positions and company levels for precise salary predictions.
- Executed end-to-end machine learning workflows, encompassing data preprocessing, model construction, and performance evaluation.

Car Purchase | *Python , Google Colab*

August 2023

- Proficiently conducted predictive modeling for car purchase behavior based on age and estimated salary using Logistic Regression, K-Nearest Neighbors, and Support Vector Machines (SVM) on the Social_Network_Ads dataset, leveraging Python libraries like NumPy, Matplotlib, and Pandas.
- Achieved 93% accuracy in classification tasks using K-Nearest Neighbors and Naive Bayes

Customer Segmentation | *Python , Google Colab*

September 2023

- Performed K-Means and Hierarchical Clustering on customer data, effectively segmenting individuals based on spending behavior, using Python with NumPy, Pandas, and Matplotlib..
- Leveraged advanced clustering techniques to uncover valuable insights from customer data, demonstrating strong analytical skills in data segmentation and visualization.

Research Internship

- Undergraduate Research intern at NIT Trichy, currently working on text classification using quantum techniques.
- Undergraduate Research Intern at NIT KKR , currently working on NDVR techniques

Technical Skills

Languages: C ,C++ , Java ,Python ,HTML ,CSS, JavaScript

Developer Tools: VS Code, Google Colab , Jupyter Notebook , MySQL , MongoDB

Technologies/Frameworks: Linux, GitHub, ReactJS , Node.js , Express.js , API , REST API , Pandas , NumPy , Scikit - Learn , TensorFlow

CourseWork

OOPs , Data Structures , Algorithms , Computer Networks , DBMS , Data Mining