# MOHAMMAD IBRAHIM KHAN

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**mohammadibrahimkhan · github .**

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## CAREER OBJECTIVE

Hardworking fresher seeking employment. Bringing forth a motivated attitude and a variety of powerful skills. Adept in Artificial Intelligence and Machine Learning. Software development technological programs. Committed to utilize my skills to further the mission of an organization.

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## EDUCATION

B.Tech in CSE(AI/ML)
JNTUH University, Hyderabad, Telangana.
Graduated: June, 2024 | First Class Honors

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## SKILLS & ABILITIES

**TECHNICAL**

- Programming Languages: C, Java, Python
- AI/ML: Generative Ai , Prompt Engineering by Andrew Ng (Deeplearning.ai)
- Tools: TensorFlow, PyTorch, Scikit-Learn
- Web Development: HTML, CSS
- Data Analysis: Pandas, NumPy
- DataBase Commands: Oracle and MySql
- Web Server: Apache Tomcat(v9.0),Xampp,Wampp
- Version Control: Git

**NON-TECHNICAL**

- Attended webinars on Mygov.in
- And other webinars on “Basics of Managing Money” and more.

**COMMUNICATION SKILLS**

- Good at Communication Skills
- Having Proficiency in HINDI, TELUGU and ENGLISH.

# INTERNSHIPS

## • MACHINE LEARNING WITH PYTHON AT VERZEO.

- During my internship I have gain skills on different python libraries such as Numpy , Scipy, Pandas , Matplotlib ,Seaborn , Keras and ScikitLearn , which are helpful in data preprocessing and understanding the relations in data.
- Learned different algorithms including KNN(K Nearest Neighbour), Weighted KNN , Linear Regression , K_Means Clustering , Support Vector Machines (SVM), Decision Trees and Random Forest.
- Have known Cross Validation techniques ( such as precision , recall , confusion Matrix) , Feature Selection techniques and error metrics, For analysing that the data either overfits / underfits or fits the model accurately.

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# PROJECTS

- **PREDICTION OF HEPATITIS DISEASE USING MACHINE LEARNING TECHNIQUES**
  - This project focuses on developing a machine learning model for hepatitis disease detection using various algorithms like SVM, KNN, ANN, Random Forest, and Decision Trees. The Feature Key parameters such as liver size, steroid levels, and bilirubin levels were selected in consultation with medical experts to identify patterns in the data. The dataset was split into 70% for training and 30% for testing, with Python libraries like pandas, numpy, and scikit-learn used for data preprocessing. After evaluating models using metrics like precision, recall, F1-score, and confusion matrix, ANN was found to be the most effective with an accuracy of 75.86%.
  - Dataset : https://www.kaggle.com/harinir/hepatitis

- **PHISHING DETECTION SYSTEM THROUGH HYBRID MACHINE LEARNING BASED ON URL**
  - This project addresses the detection of phishing URLs, a major cybercrime that exploits email and fake websites to steal confidential data. Various machine learning models, including Linear Regression, Naïve Bayes, GBM, SVM, and LSD (a combination of Logistic Regression, SVM, and Decision Trees), were used. URLs were classified into whitelist and blacklist categories based on HTML and URL attributes like domain name, IP address, and sub-domain. Techniques such as ensemble learning, canopy feature selection, grid search optimization, and cross-validation were applied. After data preprocessing and splitting, models were trained and evaluated using accuracy, precision, recall,

and F1-score metrics. Random Forest and GBM performed the best, achieving accuracy scores of 95.023% and 96.040%, respectively.
    - Dataset: kaggle.com
- **TITANIC SURVIVAL PREDICTION**
    - This project focuses on predicting the survival rate of passengers on the Titanic. Python libraries like numpy, pandas, seaborn, matplotlib, and sklearn were used for data preprocessing and model training. The dataset, including features like passenger ID, survival rate, age, gender, ticket fare, and class, was split into training and testing sets. Data preprocessing involved removing unnecessary columns, handling missing values using mode and mean, performing log distributions for uniformity, and encoding labels. Machine learning models such as KNN, Linear Regression, and Tree Classification were trained, with the RandomForest Classifier achieving the best accuracy of 78.47%.
    - Dataset : kaggle.com

- **SENTIMENT ANALYSIS**
    - This project performs sentiment analysis to determine whether a sentence is positive or negative. Using Python, the openai library is imported, and the GPT-3.5-turbo model is utilized for sentence analysis. The roles for the system and user are set to identify the sentiment in one word, with the system being a "helpful Text Sentiment Analyser." The temperature, controlling output randomness, is set to 0.1. For example, if the user inputs "David is a decent person," the model outputs "Positive."

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# CERTIFICATIONS

- Career Essentials in Generative AI (Top skills covered are Computer Ethics | Artificial Intelligence | Generative AI ) , Microsoft | LinkedIn , January 2024
- Foundation Course On Generative AI , Microsoft | edunet | SAP | TechSaksham January 2023
- Artificial Intelligence with Machine Learning, Oracle Academy, October 2023
- DataBase Programming with SQL, Oracle Academy, October 2023
- Java Fundamentals , Oracle Academy , October 2023
- Java Foundations , Oracle Academy , October 2023
- Java Programming , Oracle Academy , October 2023
- Digital 101 journey , Futureskills prime | Nasscom , January 2023
- Machine Learning with python (course completion) , Verzeo , October 2022
- Machine Learning with python (certificate of internship) , Verzeo , October 2022
- HTML and CSS essentials Bootcamp , Lets Upgrade , November 2022
- Basics Of Managing Money ( certificate of participation) , TrainIndia | Prime5C , August 2021
- Essential Program in DataStructures and Algorithems , Lets Upgrade , March 2021

- Essentials Program in Machine Learning , Lets Upgrade , December 2021
- Essentials Program in Python Programming , Lets Upgrade , February 2021
- AI Master class using Matlab , Pantech ProLabs pvt ltd, February 2021
- Microsoft AI Classroom Series (certificate of participation), Microsoft | Nasscom | futureskills prime , march 2021
- Survival or Happiness (certificate of participation) , ICTAcademy | SkyCampus | Power Seminar , January 2021
- The following is the drive link of above certificates:
- https://drive.google.com/drive/folders/10GKwe8vp2rfKTEn2jMS3qZMbDOXOCbqk
  https://drive.google.com/drive/folders/1R78wXPOvbNSKQC2FP6LrrQ2LsxhaIpDr

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## EXTRACURRICULAR ACTIVITIES

- Volunteered as NSS(National Service Scheme) student in college.
- Cricket, Badminton and Swimming.
- Watching Anime.