K Akhil Abhilash

+91 8247435669
akhilkella17@gmail.com
Kandisa, Andhra Pradesh, india

OBJECTIVE

Committed, goal-oriented and self-motivated computer science graduate looking for a challenging career where I can implement my coding knowledge and further enhance my skills. Possess good knowledge in Python, C++, Java, SQL, ML and React JS. Ability to learn things quickly, team player and have Customer centric problem-solving and product development skill

EXPERIENCE

06/2022 – 04/2023	**Software developer trainee, Visakhapatnam, Andhra Pradesh** Revidd Worked on User Interface development of a video calling application and got brief in server setup and management.

SKILLS & ABILITIES

- **Programming** : Python, C++, Java, C, R, Javascript
- **Python Packages** : numpy, pandas, matplotlib, seaborn, scikit-learn, scipy, flask, nltk, joblib, opencv, keras, spacy, tensorflow
- **Statistics** : Probability, ANOVA, Chi-Square test, t-test, z-test, p-value, Hypothesis test, Sampling, Data distributions, Single and multivariate calculus, Linear algebra, Inferential & Descriptive statistics
- **SQL**
- **Azure ML**
- **Hadoop**
- **Big Data :** Pyspark, DataBricks
- **Data structures and algorithms**
- **Web Development** : html, css, react js
- **Analytics** : Exploratory Data Analysis, Power BI, Tableau
- **Deep Learning :** ANN, CNN, RNN, LSTM, Optimization Techniques, Transfer Learning, Encoders and Decoders.
- **Natural Language Processing** Word Embeddings, tf-idf, word2Vec, Bag of Words, Tokenization, Stemming, Lemmatization, NGram, Web Scrapping
- **Soft skills** : Communication, adaptability, commitment, team work, problem solving, MS Office, MS Excel

EDUCATION

2019 - 2023	**B.Tech** GMR Institute of Technology **Branch :** Computer Science and Enginnering **Career Path :** AI &ML **CGPA:** 8.64/10

PROJECTS

A deep learning approach for cursor movement based on eye gaze and face gestures for paralyzed people
- A model to detect face movement and gestures for cursor control and speech to text input empowering paralyzed people to use computer.
- **Packages used**: numpy, matplotlib, scipy, time, cv2, miutils, pyautogui
- **https://github.com/AkhilAbhilashKella1711/cursor-control-paralyzed-people**

Smart Attendance System by face Detection using YOLO
- The Smart Attendance System using YOLO is a project that uses facial recognition to mark attendance for 60-70 members in a class and automatically mark attendance in an excel sheet from a customized dataset
- **Packages used**: cv2, pysimpleGUI, pandas
- **https://github.com/AkhilAbhilashKella1711/Smart-Attendance-System-using-yolo**

RNN Language Classifier
- The project takes dataset from laguages English, Finnish, Spanish, Polish, Dutch and was developed on rnn model to classify and predict the given word belongs to which of the given language.
- **Packages used**: nn, time, os, numpy
- **https://github.com/AkhilAbhilashKella1711/RNN-Language-Classifier**

Amazon customer reviews classification using LSTM and GRU
- The project takes amazon customers reviews dataset which has customer feedback which is classified as positive and negative feedback through LSTM and GRU
- **Packages used**: torch, pandas, numpy
- **https://github.com/AkhilAbhilashKella1711/Amazon-reviews-lstm-and-gru**

Bank Customer Churn Prediction
- This project is a Churn prediction model are designed to analyze customer behavior patterns and usage data, along with other relevant factors, in order to predict the likelihood of a customer leaving the service
- **Packages used**: numpy, pandas, seaborn, joblib
- **https://github.com/AkhilAbhilashKella1711/churn**

IPL Score Prediction using ML
- This project predicts the score using previous IPL dataset by a ML model deployed using Flask with interactive user interface
- **Packages used**: numpy, pandas, joblib, flask
- **https://github.com/AkhilAbhilashKella1711/IPL-Cricket-Score-Prediction-Deployed**

Life Expectancy analysis
- This projects aims at analysing the life Expectancy of people in different countries.
- **Packages used**: numpy, pandas, matplotlib, seaborn
- **https://github.com/AkhilAbhilashKella1711/life_expectancy_analysis_eda**

Weather app using react
- A react based application which shows the temperature and current weather conditions of a city given by the user with the help of an API
- **https://github.com/AkhilAbhilashKella1711/weather-app-using-api**

Student Report Card generator using C++
- Student report card generator based on subjects and scores obtained by the student and is created using C++
- **https://github.com/AkhilAbhilashKella1711/student-report-card**

CERTIFICATIONS

- AI Engineer Associate Azure React
- AWS cloud fundamentals
- Create your first chatbot with rasa – Guided Project
- The complete guide (incl hooks,, react router , redux)
- JavaScript - The complete guide 2023 (beginner + advanced)
- Statistical Data Visualization with Seaborn From UST
- Web development master class
- Algorithmic Toolbox

PUBLICATIONS

Facial Landmark-based Cursor Control and Speech to-Text System for Paralyzed Individuals, IEEE

A solution aims to help handicapped or paralyzed people with a facial gesture-based cursor control system and integrated speech-to-text technology for independent system access.

ACHIEVEMENTS

- Finalist of Smart India Hackathon (SIH 2022)
- Runner up in Project Design Contest conducted by ACM-GMRIT

POSITON OF RESPONSIBILITIES

- Membership Chairperson at ACM_GMRIT
- Coordinator at Innovation Council GMRIT

LANGUAGES KNOWN

- English
- Telugu
- Hindi

SOCIAL MEDIA

- [LinkedIn](#)
- [Github](#)
- [Portfolio](#)

DECLARATION

I hereby affirm that all the information in this resume is accurate to the best of my knowledge. I accept full responsibility for the accuracy of the aforementioned information.

K Akhil Abhilash