NITIN SAI MAJJI

COMPUTER SCIENCE (B. TECH 4Y)
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PROFESSIONAL SUMMARY

A Computer science under graduate with a strong foundation in programming, algorithms, and problem - solving. Dedicated to applying technical expertise to develop innovative solutions and drive progress in the field of technology. Skilled in Python, and C++ with a passion for software development and a desire to contribute to projects. Quick learner with good analytical skills, eager to collaborate with cross-functional teams and contribute to the success of an organization.

EDUCATIONAL QUALIFICATION

YEAR	QUALIFICATION	BOARD / UNIVERSITY	CGPA / MARKS %
2024	B. TECH	Amrita School Of Engineering, Bangalore	**8.14**
2020	Intermediate Examination	Tirumala junior college, Visakhapatnam	**95.4 %**
2018	CBSE Board	Sri Prakash Vaidyanathan, Visakhapatnam	**84 %**

TECHNICAL SKILLS

Programming Languages: C++, Python
Scripiting Languages: JavaScript, Nodejs
Databases: MYSQL,MongoDB
Tools: NumPy, Pandas,Scikit-learn

PROJECTS

Automatic Topic Identification in Destination Reviews **Sept 2023 – Dec 2023**

A hybrid topic modeling approach which involves analyzing tourism-related data and identifying the topic from the reviews through the use of large language models (LLMs) such as BERT, GPT-2 and K-means clustering algorithm was implemented to enhance the accuracy and effectiveness of topic identification and clustering within the tourism domain.

Technologies and tools: Python, Jupyter notebook

Customer Segmentation using Machine Learning **Sept 2023 – Nov 2023**

Study explores the topic of customer segmentation within the online retail industry. By utilizing sophisticated data analysis and machine learning methodologies such as RFM analysis. The ultimate objective is to provide online retailers with knowledge that they can use to improve their personalization efforts, maximize their marketing tactics, and cultivate long-term customer loyalty.

Technologies and tools: Python, Streamlit, Jupyter notebook

Secure File Encryption and Decryption Tool **Sept 2023 – Nov 2023**

A user-friendly tool that empowers individuals and organizations to protect their sensitive information effectively, by Implementing strong encryption algorithms, secure key management, and a user-friendly interface, the tool ensures that only authorized users can access encrypted files, thereby enhancing data confidentiality and integrity.

Technologies and tools: Python, Streamlit

Payment Wallet Full Stack Software Engineer **Apr 2023 – May 2023**

Revolutionizing online transactions and financial management. Seamlessly facilitates secure payments and empowers users with cutting-edge financial tools. Simplifies shopping experiences and eliminates traditional payment hassles. Enhances budgeting, expense tracking, and personalized insights for efficient money management.

Technologies and tools: NodeJS, MYSQL

Deep learning- based approach for gender recognition using voice **Mar 2023– May 2023**

A deep learning- based approach for gender recognition using voice, which is done by extracting required features from voice recordings and using them as training data to predict the corresponding gender.
Dataset was taken, which has audio recordings and their respective genders labelled and evaluates the approach taken using several metrics such as accuracy, precision, and recall. The classification performancewas enhanced by utilizing multiple acoustic features, with pitch and formants being particularly significant in distinguishing between male and female voices. The "Alex-Net" classifier was found to be the most effective as it achieved the highest accuracy in gender recognition tasks.

Technologies and tools: Jupyter notebook, Google Collab, Python

Human Activity Recognition through Smart Phones using machine learning **Oct 2022 – Jan 2023**

A machine learning model was developed which can classify behavior of smartphone user into six activities. The sensor data is collected from an iPhone-11 and features are extracted from the given data. The extracted data is processed through machine learning algorithms to classify the activity based on pre-trained data. Among various machine learning algorithms k-NN with k=10 has given us the best testing accuracy of 95.45% on classification.

Technologies and tools: Jupyter notebook, Google Collab, Python

CERTIFICATIONS

Problem Solving intermediate using Python in Hackerrank.

SQL basic in Hackerrank

ACHIVEMENTS AND AWARDS

Achieved center First in Association for Improvement of Maths Education A.I.M.Ed

PERSONAL DETAILS

Father Name: M P Murty (AGM-Technical Service at Larsen & Toubro Limited.)

Mother Name:M.Latha (Housewife)

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