

Edrick K Babu

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Education

Vellore Institute of Technology, AP

Bachelor of Technology (B.Tech) in Computer Science and Engineering

CGPA: 8.13/10

Sep 2020 - July 2024

Amaravathi, Andhra Pradesh

Viswajyothi CMI Public School

XII CBSE

Percentage - 86/100

May 2020

Angamaly, Kerala

Delhi Public School, Riyadh

X CBSE

Percentage - 92/100

May 2018

Riyadh, KSA

Relevant Coursework

- Data Structures and Algorithms
- Database Management
- Artificial Intelligence
- Machine Learning
- Deep Learning
- Computer Networks
- Optimization Techniques
- Natural Language Processing

Skills

Computer Languages: Java, Python, JavaScript, R, MATLAB

Tools & Frameworks: WebDev (HTML, CSS, Bootstrap, Django); Data Science (Pandas, NumPy, Matplotlib, scikit-learn); Deep Learning and Image Processing (Tensorflow, Keras, OpenCV); Natural Language Processing (NLTK, Gensim); MySQL, MS Office

Languages : English (Fluent), Malayalam (Native), Hindi (Fluent), Tamil (Beginner), French (Beginner)

Soft skills: Communication, Problem solving, Multitasking, Leadership, Teamwork

Experience

Webandcrafts (WAC)

Jan 2024 - Present

Python Developer Intern

- Collaborated with a dynamic team in developing and maintaining web applications using Python and Django, ensuring high performance and responsiveness.
- Actively pursued self-learning in backend technologies and data science concepts to broaden skills and contribute effectively to cross-functional projects.

CodeChef, VIT-AP, Clubs & chapters

Aug 2022 - May 2023

Core team member

- Hosted 'Snake-a-thon', a coding competition for VTAPP - College Annual tech fest
- Organized various webinars with guest lecturers

DECIBALS, VIT-AP Band

July 2022 - Dec 2023

Lead vocalist and violinist

- Founded and led a western band, managing all aspects of group dynamics, rehearsals, and performances
- Achieved notable recognition by conducting live performances and securing prizes in inter-university competitions

Certifications

Smart Bridge Externship program in Artificial Intelligence

Google Cloud Computing Foundations Program

Projects

E-commerce Website Development | Python, Django, HTML, CSS, JavaScript, Bootstrap

Jan 2024 - Feb 2024

- Developed fully functional E-commerce website using Python and Django for Back-End and HTML, CSS, JavaScript, and Bootstrap for Front-End.
- Implemented proper sign up and login functionality to track user profiles and activities, ensuring a seamless user experience.
- Integrated wide range of dessert products and implemented a fully functioning add-to-cart feature, allowing users to directly add items to cart or view product details before adding. Implemented a checkout feature that easily processes all added products.

ASL Hand Gesture recognition using video monitoring | Python, Tensorflow, Keras, OpenCV2

May 2023 - Aug 2023

- Optimized image segmentation using OpenCV2 with live capture of hand gestures
- Used a CNN model for analyzing hand gestures with the dataset comprising of 150 images of each hand gesture
- Achieved accuracy of 89.23%

Chatbot Development using concepts of NLP | Python, Tensorflow, NLTK

April 2023 - June 2023

- Utilised POS tags to identify required keywords and patterns
- Feature engineering done using tokenizing and lemmatization of words.
- Testing was handled based on real time prompting and achieved 76.12% False-Positive Detection Precision.

Sentiment Analysis of Amazon Kindle store reviews | Gensim, NLTK, Scikit-learn

Feb 2023 - March 2023

- Utilised Amazon kindle reviews, consisting of 982619 entries to achieve text classification.
- Optimized count vectorizer in the model building process and for the analysis of text via n-grams.
- Pioneered novel multinomial naive bayes model, achieving 87.35% accuracy and 92% F1-score