ANNAPUREDDY ARUN REDDY

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Summary

I am a motivated Information Technology undergraduate with practical experience in Data Structures, Algorithms and Web Development. Proficient in Python, C++, Java and MySQL.I possess strong problem-solving skills demonstrated through academic and personal projects. I am keen to launch my career as a python Developer leveraging my technical expertise and innovative mindset.

Education

Velagapudi Ramakrishna Siddhartha Engineering College Vijayawada, AP
B.Tech in Information Technology CGPA: 7.8 *Nov 2021 – Apr 2025*

Work Experience

Purple Technology Vijayawada, AP
Java Full Stack Developer Intern *Jan 2025 – Mar 2025*

- Developed a fully functional e-commerce web application using **Java Spring Boot** for backend services and **React** for the frontend interface.
- Implemented product catalog, shopping cart, user registration/login, and order management features.
- Designed and built **RESTful APIs** with Spring Boot to handle product listings, cart operations, order processing, and payment integration.
- Developed UI components with **React** and integrated them with backend APIs for a seamless user experience.
- Created a secure authentication system with Spring Security, including user roles (admin/customer) and access control.
- Developed dynamic and responsive web applications using React for Frontend Development.
- The **MySql Workbench** is used to connected the application for stroing the data.
- Used tools like **Postman** for API testing.

Projects

Vedio Colorization with Transcripts **Feb 2025**

- Developed a model to colorize black and white videos using CNN with Autoencoders to predict natural colors.
- Trained a CNN-based model on paired grayscale-color datasets to learn color mapping, incorporating transcript data as auxiliary input.
- Used OpenCV and image processing techniques to enhance video frames.
- Implemented frame extraction, grayscale preprocessing, and video reconstruction using OpenCV and Python.
- Leveraged video transcripts to semantically guide colorization by linking spoken context to object and scene identification.
- Developed the web application using HTML and for User interface to uploading the black and white vedio .

Agrivoice **June 2024**

- Implemented user-friendly features to facilitate agricultural education.
- Implemented speech-to-text and text-to-speech using Google Speech API and NLP techniques for voice-based interaction.
- The input data can be processed by Data Cleaning, Tokenization,Stemming Lemmatization, Feature Extraction, Word Embedding, Text Normalization.
- provided accessibility through multilingual support and voice based interface.
- Developed user friendly application to interact with the user using html and css.

Skills

Operating Systems: Windows, Linux

Languages: Python, C++, Java, C, MySQL
Frameworks: Spring Boot
Technical Skills: Data Structures, Algorithms, Problem Solving
Soft Skills: Team Leadership, Communication, Presentation
Spoken Languages: English, Hindi and Telugu

Certifications

Data Analytics with Python – NPTEL

Artificial Intelligence

Interests

Playing Kabaddi and Volley ball.