SHASHANK JAINA

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EDUCATION

Keshav Memorial Institute of Technology(pursuing)   Hyderabad, TS
B.Tech in Computer Science Engineering, CGPA: 8.23   *2021 - 2025*

Narayana Junior College   Hyderabad, TS
Intermediate, MPC PERCENTAGE: 99%   *2019 - 2021*

St.Mary's Vidyaniketan High School   Hyderabad, TS
SSC , GPA: 9.8   *2018 - 2019*

SKILLS

PROGRAMMING LANGUAGES: Java, Python, SQL, JavaScript
WEB TECHNOLOGIES: HTML5, CSS3, React.js, Node.js, Express.js
CLOUD DATABASES: MongoDB , MySQL
DESIGN FRAMEWORKS: Tailwind CSS, Bootstrap
DEVELOPER TOOLS AND TECHNOLOGIES: VS Code, Git, GitHub,Postman,Jupyter Notebook

PROJECTS

SummarizeAI / Python, React, FastApi, Transformer, NLP / Code
- Engineered a **text summarization system** using the **Pegasus model** for text-to-text summarization and OCR for image-to-text summarization, achieved **87%** accuracy and processed over **10,000 records**.
- Designed a responsive interface using **React18** library to interact with all compatibles devices.
- Developed and optimized a data pipeline for efficient **ingestion**, **validation**, **transformation**, and **model** training Which achieved **20%** process time.

FloraBert / Pandas, Numpy, Transformers, React.js/ Code
- Developed a **Python based web application using Transformers, React** and **Pandas** predicting **gene expression** levels from **DNA** sequences and achieved 85% under 25 epochs.
- Conducted in-depth analysis of **50,000**+ records, leveraged **pandas** and **numpy**, and visualized findings with **matplotlib** library.
- Developed a web-based Interface to display **predictions**, **boosting** accessibility for non-technical users by 25%.

Blog Web Application / MongoDb, Express, React , Node / Code
- Designed intuitive post management system enabling users to perform 3+ functions **create**, **edit**, and **delete** post.
- Architected a scalable **backend** infrastructure using **Express.js** and **Node.js**, achieving a **30%** less process time.
- Implemented **jwt Authentication** for user registration, user login ,user logout and performed **Encryption** for **credentials using bcrypt.**
- Programmed definite **redux components** to manage and **centralize** application state.

CERTIFICATIONS

✓ **NPTEL Online Certification - Introduction to Machine Learning Issued on 1 October 2024.**

✓ **Certificate of Completion - Project School .**

EXTRA CIRICULLAR ACTIVITES

- **Participated in the Smart India Hackathon 2024.**

- **Member of the college coding club, organizing weekly coding challenges and workshops.**