Mohammed Shujath Nawaz

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Education

Chaitanya Bharathi Institute of Technology — Hyderabad, Telangana
B.E in Computer Science and Engineering ***CGPA: 9.55*** — *Nov. 2022 – 2026*

Prathibha Junior College — Mahabubnagar, Telangana
12th ***CGPA: 9.89*** — *2020 – 2022*

Panchavati Vidyalaya — Mahabubnagar, Telangana
10th S.S.C Board ***GPA: 10*** — *2020*

Experience

Software Developer Intern — June 2024 – July 2024
GrapplTech — *Remote*

- Contributed to the development of a component library, enhancing reusability and consistency across projects.
- Designed and developed multiple Hero sections, improving visual appeal and user experience for the company's web applications.

Projects

Online Video Streaming Platform | *Flask, Kafka, S3, FFmpeg, Docker, React, MongoDB, JWT* GitHub

- Designed and developed a video streaming system with adaptive bitrate streaming.
- Built the backend using Flask and Kafka to efficiently handle video processing workflows.
- Integrated AWS S3 for secure video storage and utilized FFmpeg for format conversion.
- Developed an interactive frontend with React and NEXT UI for smooth user experience.
- Managed data storage with MongoDB and secured user sessions with JWT authentication.

Multiple Disease Prediction System | *Machine Learning, Streamlit, Python, Scikit-Learn* Live GitHub

- Developed a machine learning-based system to predict the likelihood of diabetes, heart disease, and Parkinson's disease.
- Trained classification models using Scikit-Learn and optimized them for accuracy.
- Built an interactive web application with Streamlit for easy user input and visualization of predictions.

YouTube Video Summarizer | *Flask, Hugging Face BART,Whisper, yt-dlp, YouTubeTranscript API, HTML, JS* GitHub

- Built a Flask-based web application that extracts and summarizes YouTube video content.
- Retrieved captions using the YouTube Transcript API and summarized them using the BART-Large-CNN model.
- Implemented OpenAI Whisper for speech-to-text conversion when captions were unavailable.
- Leveraged GPU acceleration to enhance performance during transcription and summarization.
- Integrated yt-dlp for efficient audio processing and metadata extraction.

TrustTribe | *HTML, CSS, JS, Node.js, Express.js, EJS, Mongoose, MongoDB, Socket.IO* Live GitHub

- Led backend development for a community engagement platform featuring real-time group chat for safety and collaboration using Socket.IO.
- Integrated Nodemailer for automated email notifications and employed Express sessions for effective session management.
- Developed an incident reporting system, allowing users to report and track community issues.
- Implemented an event calendar, enabling users to create, manage, and participate in community events.

Technical Skills

Languages: Python, JavaScript, Java, C, C++
Frontend Technologies: HTML/CSS, React, Bootstrap, Tailwind, NextUI
Backend Databases: NodeJS, ExpressJS, Flask, MongoDB, SQL
Machine Learning: Scikit-learn, Pandas, NumPy, Matplotlib, seaborn
Tools Platforms: Kafka, Docker, Git
Others: Data Structures and Algorithms