Uzerkhan Pathan

Vadodara, Gujarat
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SKILLS

Programming Languages & DB : Java, Python, Nodejs, JavaScript, C, C++, HTML, CSS, MySQL, MongoDB

Frameworks:Rest API, Tailwind CSS, React, Express, Apache kafka, NLP, Docker, MobileNet SSD

Developer Tools & Platforms: Git, Github, Postman, Mailtrap

Emerging Technologies: Prompt Engineering,Generative AI, Agentic AI, AIML

EXPERIENCE

MernStack |GitHub| *freelance* **March 2025 - May 2025**

- Built DollarConnect, a career networking platform connecting students and professionals for paid career advice.
- Implemented role-based authentication, mentor profiles, and search/filter functionality.
- Designed session booking and payment flow with commission-based monetization Using React, Node.js, Express, MongoDB, and RESTful APIs.
- Designed and implemented JWT-based authentication to securely manage user sessions in a scalable architecture.
- Integrated Mailtrap to test and validate authentication and notification emails in a secure sandbox environment.

Atris | GitHub| *FastAPI, React, Redis, Apache Kafka, NLP, docker*

- Developed a text to speech converting website that allows users to convert spoken voice input into readable text directly in the browser.
- Built a responsive frontend interface using HTML, CSS, JavaScript, and Bootstrap for a clean and user-friendly experience.
- Implemented client-side JavaScript logic to handle voice input, start/stop recognition, and display converted text dynamically.
- Utilized browser-based speech recognition to capture and convert real-time audio input into text.
- Integrated Redis Queue and Apache Kafka to manage the multiple instances of ML/DL model.
- Deployed multiple Machine learning models like Summarization, tag extraction, emotion extractor, image and object detection and recognization on Azure

PROJECTS

People Counter | GitHub | *Python, OpenCV, MobileNet SSD, Git, GitHub*

- Developed a real-time people counting system using Python and computer vision to detect and count individuals in video streams.
- Integrated MobileNet SSD object detector to identify and track persons across video frames.
- Implemented logic to process live or recorded video input, track detected people, and update counts dynamically.
- Used OpenCV for video capture, object detection, and image processing to extract meaningful movement data.
- Optimized detection pipeline to reduce false positives and improve counting accuracy.
- Designed modular code structure to support scalability and future model upgrades.

EDUCATION

Drs Kiran and Pallavi Patel Global University **Sept 2024 – Present**
B.Tech *Computer Science* *Vadodara, Gujarat*
Sigma Institute of Engineering (GTU) **2021 – 2024**
Diploma *Computer Engineering — CGPA: 8.83* *Vadodara, Gujarat*