YASIR JAFRI

New Delhi, India · yasir.jafri007@gmail.com · +91-8802306605 · www.linkedin.com/in/yasir-jafri-8a9a3b105

EDUCATION

Jamia Millia Islamia
New Delhi, India
M.Tech Electrical Engineering *GPA: 9.43*
Aug, 2018 - Dec, 2020

Jamia Millia Islamia
New Delhi, India
B. Tech Electrical Engineering *GPA: 8.61*
Aug, 2013 - Jun, 2017

EXPERIENCE

Gtropy (MapMyIndia)
Gurugram, Haryana, India
Software Development Engineer - 1
Sep, 2021 - Present

- Designed and implemented robust microservices for comprehensive analysis of FASTag transaction data, including identifying top vehicles and tolls, calculating daily averages and total expenditures, and detecting erroneous transactions, enhancing operational efficiency and cost-effectiveness.

- Implemented a real-time facial recognition system in vehicles using Computer Vision, capturing and analyzing driver images upon ignition activation to ensure vehicle security and identity verification.

- Developed a service in Scala using Akka framework to consume GPS data from Kafka, apply a custom compression algorithm, and store the compressed data in a Redis cluster.

- Developed a Python application to perform daily scraping and summarization of relevant tweets using Natural Language Processing (NLP) techniques.

- Developed a Node.js service for batch processing GPS data from Road Rollers, efficiently handling large volumes of data retrieved from a Redis cluster via Pub/Sub, and storing analyzed insights such as pass counts, start and end times, and coverage metrics into MongoDB, streamlining road construction monitoring and analysis workflows.

- Implemented a data aggregation pipeline, collecting trip-related data from multiple services and SQL databases, and efficiently storing it in Redis for seamless ingestion into the ELK (Elasticsearch, Logstash, Kibana) stack, facilitating comprehensive trip analysis and insights generation.

- Highlighted expertise in Python backend development, showcasing proficiency in FastAPI for crafting scalable APIs and adeptly debugging and maintaining legacy APIs built with Django and Flask. Additionally, demonstrated versatility by implementing APIs in Node.js with Express, contributing to a diverse tech stack while maintaining a strong Python-centric backend focus.

iBotlab
Remote
Research Engineer and Technical Faculty
Jan, 2021 - Jun, 2021

- Developed contents of Data Analytics, Computer Vision and Augmented Reality programs for working professionals.

- Revamped Web Development program to include better end-to-end project on Social Media increasing client acquisition by more than 30%.

- Worked in team of 3 members to review, update, and revise programs to attract more clients.

SKILLS

Programming Languages:	Python, Scala, Node.js (JavaScript), Go, C/C++
Frameworks:	Django, FastAPI, Flask, Express.js, Akka, PySpark
Front-end Technologies:	Javascript, React, HTML, CSS, Bootstrap, ChakraUI
Database Technologies:	SQL (PostgreSQL, SQL Server), MongoDB, Redis, ScyllaDB
Others:	Kafka, Redis, Elasticsearch, Docker, Kubernetes, AWS, Git

PROJECTS

Stock Price Predictor *Python, Deep Learning, Recurrent Neural Networks*
An app to predict stock price based on the historical trends using stacked LSTM

Property Lisiting Website *React, JavaScript, HTML, CSS, Node.js, MongoDB, Express.js*
A full-stack project of a website to show a listing of properties using MERN stack.

AWARDS

Gold Medalist - M.Tech
Jamia Millia Islamia
Topper of the batch in M. Tech
Jul, 2023