Anushka Shukla

+919653403005 | anushkavipinshukla01@gmail.com | https://www.linkedin.com/in/anushka-shukla-039b04221/ |
github.com/shuklanushka28 | https://www.hackerrank.com/profile/anushkavshukla28
https://public.tableau.com/app/profile/anushka.shukla5664/vizzes

ABOUT ME

As a data-driven problem solver with a strong foundation in SQL, Python, and machine learning, I am passionate about building scalable and efficient solutions that drive business impact. With a background in data analytics and software development, I enjoy transforming raw data into actionable insights while optimizing database performance and infrastructure. My experience includes designing low-latency systems, working with big data, and implementing machine learning models to enhance decision-making. I thrive in fast-paced, dynamic environments, where I can adapt, innovate, and collaborate to solve complex challenges.

TECHNICAL SKILLS

Programming languages: Python(Pandas, NumPy, MatPlotLib), C/C++, R
Web Development: Front-End(HTML,CSS,JavaScript,React),Back-End(Node.js,PHP,JSON)
Databases: MS SQL Server
BI and Visualization Tools: Tableau, MS Excel(Pivot Table, XLOOKUP, Slicers, Conditional Formatting), Power BI

PROJECTS

VaxImpact: Analyzing the Mortality and Vaccination Trends of COVID-19 | *PostgreSQL,Tableau* May 2024
- This project looks at global COVID-19 data, focusing on cases, deaths, and vaccinations from January 28, 2020, to August 30, 2021.
- The goal is to examine the link between COVID-19 deaths and vaccination rates in different regions to evaluate how vaccination efforts influence mortality trends.
- I processed a dataset with 170,342 records, including COVID-19 cases, vaccination doses, and fatalities from over 200 countries. I ran more than 100 detailed SQL queries to clean the data, aggregate it, and extract insights, achieving 99% data accuracy. Building scalable software and systems.

CaffèCompass: Navigating Coffee Sales Insights | *SQL, MS Excel(XLOOKUP, Slicer)* December 2024
- To analyze coffee sales performance across different dimensions using Excel, we can look at time, customer demographics, product types, and regions. This will help us identify trends and key revenue drivers for business decisions. We will also use machine learning along with financial engineering.
- Interactive Sales Analysis: This includes a timeline to filter sales data from 2019 to 2022, a line chart showing sales trends by coffee types (Arabica, Excelsa, Liberica, Robusta), and bar charts for sales by country, highlighting the United States, Ireland, and the United Kingdom, as well as the top five customers.
- Customizable Filters: This provides options to refine data by roast type (Dark, Light, Medium), coffee size, and loyalty card usage for deeper insights.

Robo | *NLP, Machine learning framework, Node.js, PostgreSOL* June 2023
- I created a personalized conversational system to improve user experience and emotional well-being through tailored interactions. I delivered over 100,000 personalized interactions with a 96% user satisfaction rate using SQL-driven segmentation and preference-based models.
- I provided emotional support to over 20,000 users, achieving an 85% improvement in emotional health outcomes by using sentiment analysis and data insights.
- I added over 5,000 user feedback entries into the system, using Power BI dashboards to improve response relevance by 92%.

DefakeX — Deepfake Detection using ResNeXt and LSTM | *Python,Flask API,DFDC,SQL* December 2024
- Developed a complete Deepfake Detection system that uses ResNeXt architecture for spatial feature extraction and LSTM for analyzing temporal sequences.
- Achieved 92% accuracy on benchmark deepfake datasets (DFDC / DSDC) with the ability for real-time classification.
- Integrated a Flask API to deploy the model for practical applications and real-time detection.
- Collected and processed over 10,000 video samples for training and validation using the Deepfake Social Data Collection (DSDC) pipeline.

- Improved model performance by cutting inference time by 30% through model pruning and efficient data preprocessing.

Simple Paintball | *Spigot API, Java, Maven, TravisCI, Git)*   May 2023
- Created a Minecraft server plugin to entertain kids during their free time at a previous job.
- Published the plugin on websites, which gained over 2,000 downloads and an average rating of 4.5 out of 5 stars May 2023.
- Worked with Minecraft server administrators to suggest features and gather feedback on the plugin.

EDUCATION

New Horizon Scholars School   Thane, Mumbai
High School   *Aug. 2019 – May 2021*

SRM University of Science and Technology   KTR, Chennai
B.Tech with s/p in Big Data Analysis   *Sep. 2021 – May 2025*

EXPERIENCE

Corporate Associate   Nov 2022 – June 2024
Alexa Developers   *SRMIST, KTR*
- Designed and Developed a Website with a focus on intuitive design, a responsive interface, and seamless navigation, ensuring an enhanced user experience.
- Collaborated with cross-functional teams to identify and implement data-driven solutions to organizational challenges, utilizing problem-solving and project management skills. Effectively collaborated with cross-functional teams in a dynamic, fast-paced setting.

Corporate Trainee   Sep. 2021 – Feb 2023
Microsoft Lean Student Ambassadors   *SRMIST,KRT*
- Managed the sponsorship database, analyzed data, and secured sponsorships to ensure the successful funding and organization of events and hackathons.
- Developed engaging content to enhance the club's online presence, boosting visibility and audience engagement through strategic posts and promotions.

CERTIFICATIONS

EnigmaXplore CTF   May 2023
Unstop
- Credential ID: b831c481-ddb3-44b4-b284-2b2f29210323
- View Certification

Web Development   Jul. 2024
GDG KIIT
- Credential ID: 3rsPR
- View Certification