ASHLESHA RAM DEOKAR

☎ 408-592-2317   ✉ ashleshadeokar19@gmail.com   in LinkedIn   ⌂ GitHub   ⌐ portfolio

EDUCATION

Master of Computer Science, George Mason University. **GPA: 3.53/4**   Aug 2022- May 2024

Coursework: *Data Mining, Computer systems and programming, Advanced NLP, Analysis of Algorithms, Software Design and Architecture, Component-based Software Development, Network Security, Real-Time Embedded Software Engineering.*

Bachelor of Information Technology, University of Mumbai. **GPA: 3.5/4**   Jun 2017- May 2021

Coursework: *Data Structures, Machine Learning, Artificial Intelligence, Database Systems, Computer Architecture, Cloud Computing, Big Data Analytics, Object Oriented Programming, Operating Systems, Project Management.*

EXPERIENCE

Software Engineer — Localarena Tix   April 2024 - Present

- Developed a ticket-selling platform with Next.js, Typescript, Material-UI for the frontend, and Django for the backend, all data securely managed within a PostgreSQL database.
- Integrated Stripe for secure one-time payments, incorporating a payment link on the dashboard accessible only to verified users, thus enhancing transaction security.
- Created and launched a reporting dashboard for LocalArena Tix, empowering season ticket holders with real-time analytics on sales, marketplace distribution, and monthly ticket trends.
- Employed Docker to containerize the application, achieving consistent execution environments across development phases, and leveraged Kubernetes for automated management and scaling of containerized services.

Data Engineer — Yoshops.com   Jun 2021 - Jul 2022

- Acquired data from various sources, handled the ETL pipelines using Python and AWS technologies S3, Lambda, Glue, and Redshift, enhancing data warehouse accuracy by 15%.
- Orchestrated data processes using AWS Step Functions and streamlined ETL workflows with Amazon EventBridge, streamlining data management and reducing prediction errors by 10%.
- Collaborated with cross-functional teams to apply statistical models and predictive algorithms such as XGBoost for precise sales forecasting, significantly boosting e-commerce revenue by 20%.

Data Analyst — GlobalShala   Jan 2021 - May 2021

- Facilitated data extraction using Google Cloud Platform(GCP) services, including Cloud Functions and Cloud Pub/Sub, to facilitate real-time data integration from multiple sources such as social media and surveys.
- Analyzed advertising data with BigQuery and created interactive visual reports in Tableau, enhancing decision-making and increasing campaign effectiveness by 15%.

Python Developer-Intern — EduVance   Jun 2019 - Aug 2019

- Engineered a web scraping tool using Python libraries Selenium and Beautiful Soup to automate data collection from Amazon, reducing the data collection time required by 30%.
- Used PowerBI for data visualization to enhance analysis and reporting. Implemented Git for version control, enhancing team collaboration and reducing code conflicts by 20%.

PROJECTS

BlogGenie: Content Creation with LLMs   Jan 2024 - Feb 2024

- Developed and deployed a blog generation application using the Llama2 model to generate contextually relevant blog content based on user input, including topic, word count, and target audience category.
- Implemented a conversational text generation model in the form of a web application using Streamlit, enhancing user engagement and enabling the creation of informative blog content across various domains.

EduPulse: Capturing the Beat of Student Opinions   Oct 2023 - Nov 2023

- Designed a microservices-based Student Survey Application using Spring Boot, facilitating CRUD operations and utilizing REST API's and JPA, with data storage on Amazon RDS for MySQL.
- Containerized the application using Docker and deployed it on Kubernetes via a CI/CD pipeline; conducted comprehensive testing with Postman.

SKILLS

Languages & Frameworks: Python, Django, Pyspark, R, SQL, Java, React, JavaScript, Nextjs, Typescript, Angular, Hadoop-MapReduce, Tableau, PowerBI, Databricks

Software & Cloud: Jira, Docker, Kubernetes, Jenkins, Devops, Terraform, AWS

Libraries: Pandas, OpenCV, NumPy, SciPy, Keras, TensorFlow, HuggingFace, Scikit-Learn, Selenium

RESEARCH PAPER

- Drowsy Driver Detection System by Monitoring the Eye Movements (IRJET)   -Published Apr 2021