Shaunak Inamdar

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Experience:

Data Scientist - GROW - Innovations and Digitalization
April 2024 - present
DHL Group | Bonn, Germany
- Designing and deploying agentic AI solutions for sales automation and solution design within DHL Supply Chain.
- Led experimentation and model tuning for Estimated Time of Arrival predictions, significantly improving forecast accuracy and planning.
- Created custom tools rooted in logistics insights, enhancing efficiency and lowering costs in key operations.

Innovations Manager - GROW - Customer Solutions and Innovation
Jan 2025 - March 2025
DHL Group | Chicago, Illinois, U.S.A.
- Developing sustainability and digitalization strategies of DHL group for Strategy 2030.
- Led cross-functional innovation projects focused on IoT across DHL from the Americas Innovation Center.
- Successfully onboarded and launched a high-impact exhibit showcasing DHL's predictive maintenance capabilities.

Data Scientist Intern - Generative AI and Intelligent Automation
Sept 2023 - Jan 2024
DHL Consulting| Bonn, Germany
- Built rapid Proof of Concepts for Gen AI product adoption within the DHL group.
- Engineered a chatbot for DHL Express automating 90% of document and invoice query handling.
- Implemented financial control localization tools, improving compliance and adaptability across regions.

Associate Software Engineer - API
April 2022 - July 2023
OzoneAPI | Pune, India
- Built an internal product projected to save 20+ hours of employee time weekly through automation.
- Streamlined deployment pipelines and infrastructure to scale OzoneAPI's services for a global user base.
- Designed and implemented a Data Access Layer from first principles, improving database performance.

Undergraduate Researcher - Generative AI
July 2021 - July 2023
Symbiosis Center for Applied Artificial Intelligence (SCAAI) | Pune, India
- Guest lecturer at Symbiosis University to present research on generative AI to postgraduate students.
- Built a speech-to-image generative model using CLIP transformers and VQ-GAN.
- Modeled a stress detection NLP algorithm for social media platforms.

Publications:

1. **Inamdar, S.**, Chapekar, R., Gite, S. et al. Machine Learning Driven Mental Stress Detection on Reddit Posts Using Natural Language Processing. Hum-Cent Intell Syst (2023). https://doi.org/10.1007/s44230-023-00020-8
2. Mahajan, S., Gite, S., Pradhan, B., Alamri, A., **Inamdar, S**., et al. (2025). Integrating Speech-to-Text for Image Generation Using Generative Adversarial Networks. *CMES* https://doi.org/10.32604/cmes.2025.058456

Education:

Symbiosis Institute of Technology | Pune, India
June 2019 – June 2023
Bachelor of Technology in Computer Science Engineering (GPA 8.1/10)

Projects:

Log Analysis and Error Detection Consultancy Project (FUNDED by Philips)
06/2021 – 03/2023
- Implemented Machine Learning algorithms to cluster errors in log files to automate error detection on a medical device.
- Wrangled previously unstructured data into a cleaned human and machine-readable format.
- Handled time series data for error detection and prediction for the C-arm X-ray machine.

Automatic Data Visualization website
08/2020 – 02/2021
- Created a Python Flask app with a HTML, CSS frontend for users to upload raw data and run pre-processing steps.
- No code platform for users to generate simple visualizations by simply uploading CSV files.
- Tested response to web app and iterated on the product to fulfill users needs.

Skills:

Programming: Java, Python, C, C++, HTML5, CSS3, JavaScript, SQL, React, TypeScript, MongoDB
Frameworks: Scikit-learn, Keras, Kubeflow, GitHub, Flask, Django, Docker, TerraForm, DataRobot
Misc: AGILE, Business Development, Data Analytics, Team Management, Micro Economics, Machine Learning