Paras Jain

Developer | Engineer | Analyst

# EXPERIENCE

**eClerx,** Pune — **Senior Software Engineer (2022 - Present)**

**Key Responsibilities:**

* Developed solutions and optimized existing systems using Python,

AWS, and a diverse range of libraries to drive efficiency and innovation.

* Researched and successfully implemented state-of-the-art Large Language Models (LLMs) tailored to specific business use cases, enhancing natural language understanding and communication.
* Spearheaded data exploration, cleaning, and analysis to identify crucial features for model training, ensuring high-quality data-driven decisions.
* Proficiently applied Classification and Regression models to pristine datasets, resulting in accurate label predictions and precise value estimations.

# PROJECTS

**Classification of mail responses as Standing/Genuine** – Developer

**Technologies used**: Python, Davinci model (OpenAI), NLP, Outlook,

Azure, MBMS (Internal tool)

* **Business Objective**: Identified and flagged emails with unusual responses (standing responses) using Natural Language Processing
* **NLP Implementation**: Utilized NLP techniques to assess semantic similarity among email content, enabling effective detection.
* **Advanced Model**: Constructed a customized Classification Model,

based on OpenAI’s Davinci model, with fine-tuned hyperparameters tailored to the specific use case.

* **Seamless Integration**: Deployed the solution as an add-in within

our internal tool MBMS, leveraging Microsoft’s Azure infrastructure

for precise identification of standing and genuine responses.

**Image Classification (CNN) to identify unmarked cement bags**

**Technologies used**: Python, Tensorflow, VGG-16, GitHub Actions, AWS,

HTML & CSS

* **Customized Classification Model**: Developed a specialized image classification model, utilizing the VGG-16 architecture, to determine

if a cement bag is unmarked within a production line.

# Training with Diverse Samples: Trained the model using a wide

# array of images, including both marked and unmarked cement bags,

# to ensure robust predictive capabilities.

# Effortless Predictions: Deployed the model on AWS EC2 instance, leveraging GitHub actions, to host an interactive user interface. This intuitive UI simplifies the process of identifying unmarked cement bags, enhancing production efficiency.

# EDUCATION

**Lovely Professional University, Jalandhar** — B. Tech - CSE

* (2018 - 2022) **CGPA** - 8.65

**Holy Child Public School,** Faridabad — 10th-12th Standard

* (2015 - 2018) **CGPA** - 8.6

# ` TECHNICAL SKILLS

* Python
* SQL
* Amazon Web Services
* Numpy & Pandas
* Power BI
* Git for Version Control

# DATA SCIENCE SKILLS

* ML Algorithms
* Feature Engineering
* NLP
* EDA
* Ensemble Methods

# ACHIEVEMENTS

* AWS Certiﬁed - Solutions Architect Associate
* Recognition from CS APAC Director for consistent Quality.

# HOBBIES & INTERESTS

* Playing Chess
* Learning
* Reading

# CONTACT

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