

Sajja Prudhvi Krishna

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PROFILE

Skilled software engineer with 3+ years of experience, complemented by a Master's degree in Data Science. Proficient in Python programming and Machine Learning algorithm. Skilled in building recommendation systems, with deep knowledge of data structures and algorithms. Having hands-on experience with cloud services, notably AWS, and familiar with other similar platforms. Collaborative, with a history of working with cross-functional teams to drive product growth. Passionate about addressing challenges with innovative solutions.

EDUCATION

Masters Data Science, Loughborough University

2022-2023

Relevant modules: AI and Applied Machine Learning, Big Data Analytics and Visualizations, Data Mining
Final Project: DevOps process for Design task completion/ QA using AI.

Electronics and Communication Engineering, Shiv Nadar University, India

2013-2017

Relevant modules: Signals and Systems, Digital Signal processing

Project's

DevOps process for Design task completion/ QA using AI.

Loughborough University · 2023 · Deep Learning, Computer Vision, Vector Embeddings, Natural Language Processing (NLP), Data Extraction, Transfer Learning

- Designed a deep learning applications, enhancing autonomous extraction of UI elements from screenshots.
- Crafted an AI tool, boosting the speed and efficiency of test case extraction from technical specs.
- Converted UI elements and test cases into vector embeddings, ensuring accurate and efficient correlations.

Machine Learning Model Development for Customer Churn Analysis

Loughborough University · 2023 · Data Pipeline, Machine learning modeling, Exploratory data analysis

- Analyzed churner datasets, delivering insights that drove efficient feature engineering and informed decision-making.
- Developed a data pipeline, streamlining data modelling operations for faster and more reliable processing.
- Trained models focused on customer churn prediction, ensuring high accuracy through continuous monitoring and performance reporting.
- Managed the entire data pipeline workflow, optimizing each stage from data intake to final model evaluation for maximum efficiency.

COVID-19 Trends in England: A Tableau Visualization

Loughborough University · 2023 · Data Analysis, Data Visualization, Technical Documentation

- Analyzed COVID-19 data for regions in England, providing comprehensive insights into cases, deaths, and vaccination trends.
- Utilized Tableau for advanced data visualizations, showcasing clear and informative dashboards for stakeholders.
- Interpreted regional disparities in COVID-19 impact, highlighting areas requiring attention or resources.
- Presented findings to inform public health decisions, ensuring data-driven strategies for mitigation and response.

WORK EXPERIENCE

AI Developer, Beta Booster (Internship), UK

07/2023 –08/2023

- Gathered datasets, enhancing AI model training and accuracy.
- Devised integration strategies, optimizing AI system interconnection.
- Supported AI interface development, boosting front-end adaptability.
- Assisted in AI algorithms creation, ensuring adherence to company standards.

Data Engineer, Deloitte, India.

10/2021 –09/2022

- Developed API endpoints on AWS cloud platform using Python and Java, streamlining AI services deployment.
- Collaborated with cross-functional teams, leveraging effective teamwork and communication, to integrate AI solutions, ensuring a seamless tech stack workflow.
- Constructed data pipelines to collect and transform data from diverse sources, enabling enhanced machine learning model training and effective data analysis.
- Implemented data governance policies, elevating data quality and reliability.
- Optimized data-loading processes, reducing ingestion time by 20% and cutting operational costs.

Automation Test Engineer, Infosys, India

12/2018 –09/2021

- Developed automation scripts using Selenium and RPA tools for automation testing. Extracted test data from the database using SQL queries, ensuring thorough and accurate validation of test cases.
- Analysed complex processes, formulating automation strategies using UiPath and RPA tools, leading to efficient and reliable Behavior Driven Development (BDD) frameworks.
- Managed data across diverse relational databases, deploying automation scripts to ensure consistent data integrity and quality, benefiting from cloud technologies and principles.
- Contributed significantly to the technology team, increasing automation coverage by 43%, reducing manual testing by 38%, and enhancing test accuracy by 50% across different projects.
- Compiled detailed test reports consistently, offering valuable insights into testing results and highlighting opportunities for enhancement.

SKILLS

- *Programming Languages:* Python, Java, SQL, R
- *Machine Learning:* Deep Learning, Computer Vision, Vector Embeddings, Model Training & Evaluation, NLP
- *Data Handling:* Data Extraction, Data Pipeline Construction, Exploratory Data Analysis, Data Manipulation
- *Tools & Platforms:* Pytorch, GIT, AWS, GCP, Tableau, MongoDB

INTERESTS AND ACHIEVEMENTS

- **Databases and SQL for Data Science** – Coursera certification, 2021.
- **Data Analysis with Python** – Coursera certification, 2021.
- **Python for Data Science, AI & Development** – Coursera certification, 2021.