

Abhisek Mishra

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Profile Summary

Aspiring Data Scientist with hands on experience in data pipelines, machine learning, and web scraping. Proficient in Python, SQL, and AWS technologies. Bringing strong analytical skills to develop robust solutions. Having experience building efficient workflows and deploying scalable applications to solve complex problems. Passionate about leveraging technology to extract insights and drive impactful change in real-world scenarios. Committed to continuous learning and improvement to stay at the forefront of the ever-evolving field of data science.

Work Experience

FightRight Technologies

June 2024 - August 2024

Data Science Intern

Python, MySQL, AWS, Docker, Git

- Optimized Selenium-based data pipelines, storing results in Amazon S3, boosted extraction efficiency by 30%
- Automated text extraction for 10,000+ legal documents via AWS Lambda, ECR, and Docker, reducing processing time
- Enhanced MySQL database operations by performing 5,000+ CRUD actions, validation, and cleaning, improving data integrity by 25%.

Projects

TalentMate

[GitHub Link](#)

- Developed a Generative AI-powered interview assistant using Streamlit and Hugging Face models to generate tailored questions, collect candidate responses, and automate evaluation workflows.
- Implemented a structured database with SQLite to store candidate data and responses, enabling seamless data retrieval for analysis and reporting.

Email Spam Classifier

[GitHub Link](#)

- Achieved 95% accuracy in detecting spam emails by utilizing advanced machine learning algorithms, including Naive Bayes and feature extraction techniques, for robust and scalable email classification system development.
- Conducted comprehensive performance analysis using confusion matrix, F1 score, precision-recall metrics, ROC curves, and detailed classification reports to optimize model performance and reliability.

Olympic Player Data Scraper

[GitHub Link](#)

- Automated the extraction of athlete names, countries, and medal counts from dynamically loaded web pages using Selenium, enabling efficient and accurate data collection.
- Extracted and exported scraped data to CSV format, incorporating data cleaning pipelines and validation checks to ensure accuracy for analysis and research applications.

Audio Classification Model

[GitHub Link](#)

- Developed a deep neural network using TensorFlow/Keras for audio classification, integrating MFCC feature extraction and spectral analysis with custom layers to enhance accuracy.
- Deployed the optimized model as a Flask-based web service for scalable real-time predictions.

Technical Skills

Languages: Python, SQL, HTML, CSS

AI and ML: Machine Learning, Generative AI, NLP, LLMs, Hugging Face Transformers

Databases And Cloud: MySQL, SQLite, AWS(Lambda, S3, ECR)

Libraries: Pandas, NumPy, SciKit-learn, Flask, Tkinter, PyQt5,

Tools and Technologies: PyCharm, Spyder, Anaconda, VS Code, Git, GitHub

Certifications

[Internship Completion Certificate – FightRight Technologies.](#)

[Udemy: Python Certificate.](#)

[upGrad Certified: Introduction To Generative AI.](#)

Education

Utkal University, Bhubaneswar

August 2019 - May 2024

Integrated Master's in Computer Application

GPA: 8.12/10