Akash Yadav

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| Email with solid fill [akashyadav181198@gmail.com](mailto:akashyadav181198@gmail.com) | Receiver with solid fill +91-9022445161 | A black background with a black square  Description automatically generated with medium confidencelinkedin.com/in/akash-yadav-4a3383240 |

Skills

**Languages**: Python, SQL

**Technologies & Tools**:

* **Data Analysis**: SQL, Python (Pandas, NumPy, Matplotlib, Seaborn), Time Series Analysis, Data Visualization, Statistical Analysis, A/B Testing, Hypothesis Testing, Tableau.
* **Machine Learning & Data Science**: Supervised Learning, Unsupervised Learning, Feature Engineering, Model Evaluation, Regression, Classification, Clustering, Predictive Modelling, Natural Language Processing (NLP), Deep Learning.
* **Web Development**: Django, Django Rest Framework, Rest API, Flask, HTML, CSS, JavaScript, Angular.
* **Version Control:** Git, GitHub (CI/CD).
* **Automation**: PyAutoGUI, Selenium, Easy OCR, Tesseract.
* **Containerization**: Docker.
* **Web Server & Hosting**: AWS, IIS Server, MSSQL Server.

Work Experience

**Gebbs Healthcare Solutions**               ***Software Engineer - Data Science May 24 – Present***

* **Developed an advanced ML** auditing tool using supervised learning to significantly enhance accuracy of medical coding audits
  + Utilized Scikit-learn for anomaly detection, classification, and error prediction
  + Conducted feature engineering to preprocess large datasets for improved model performance
  + Created visualizations with Matplotlib/Seaborn for real-time insights to drive coding accuracy and compliance
* **Built** scalable Django application with ORM for medical coding, achieving 95% QA KPI and 1.8% efficiency gain
* **Automated** critical ops tasks with Automation bots, reducing workload by 15%
* **Leveraged** Pandas and NumPy for data analysis to optimize processes and reporting reducing handling time by 25%
* **Supported SQL** data opertaions including migrations and backup risk management
* **Technologies: Python, Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn, Django, DRF, SQL, MSSQL, IIS.**

**YourDigitallift Gym Software’s**  ***Python Developer* Jan *23 - May 24***

* **Led** Development phases from research to implementation, with a focus on analysing and developing new features, **making the software more efficient and effective.**
* **Utilized** Git, Docker, Django ORM, and RESTful APIs, enhancing version control, containerization, and API integration, which streamlined deployment and reduced system downtime.
* **Applied** PyTest for automated testing, resulting in a **20% decrease in bug resolution time** and improving code quality across projects.
* **Technologies: Python, Django, Rest API, DRF, SQL, GIT, Docker, GitHub, Pandas, PyTest.**

Education

* Data Science and Machine Learning Course (Scaler Academy - In Progress)
* BSC Com Sci (8.1 CGPA)
* Completed HSC from Mumbai University with 62%
* Completed SSC from Mumbai University with 72%

Project Work

1. **Intelligent Flow Management Tool**

**Description**: Internal software solution optimizing medical coding and auditing workflows for enhanced efficiency and accuracy. **Features**:

* ML auditing tool with supervised learning for anomaly detection, classification, error prediction
* Feature engineering for dataset preprocessing and Training
* Matplotlib/Seaborn visualizations for real-time insights
* Optimized backend with Python, Django, SQL Stored Procedures
* User-friendly Django HTML, CSS, JavaScript frontend
* MSSQL Server database and AWS for secure deployment.

**Technologies**: Python, Django, DRF, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, MSSQL Server, IIS

1. **Automated Data Extraction, Cleansing, and Analysis for Business**

**Description**: Developed a fully automated pipeline for real-time data extraction, processing, and analysis, transforming raw data into actionable insights to guide business decisions.

**Features**:

* + Data Extraction: Leveraged Selenium for web navigation, PyAutoGUI for interaction automation, and Tesseract with OpenCV for data capture.
  + Data Processing: Cleaned and processed data using Pandas, transforming it for valuable insights.
  + Generated reports and visualizations using Matplotlib and Seaborn, delivering actionable insights to stakeholders and guiding business decisions based on real-time data analysis.
  + Scheduling: Configured a cronjob for daily execution, providing timely and reliable data insights.

**Technologies:** Selenium, PyAutoGUI, Tesseract, OpenCV, Pandas, NumPy, SQL, Matplotlib, Seaborn, Tableau, Excel, Python

1. **YourDigitallift Gym Software**

**Description**: Developed and customized software features for gym management, supporting client and staff operations.

**Features**:

* + Biometric Integration: Integrated a face recognition system to manage access and track attendance.
  + Analytics: Built modules for billing, traffic, conversion, and staff performance analysis.
  + API Development: Created and optimized APIs to integrate software features into mobile apps, enhancing accessibility.

**Technologies**: Python, Django, Pandas, Rest APIs, HTML, CSS, JavaScript, Chart.js, Plotly.