

Mohammad Abukahfa

Dubai, UAE • mkgour504@gmail.com • +971502807457

Professional Summary

Data Analyst and Python Developer with 3+ years of experience in data analysis, Python programming, and SQL. Proficient in leveraging tools like NumPy, Pandas, Power BI and Sklearn for data cleaning, visualization, insights and modeling. Skilled in database optimization, ETL pipelines, and statistical analysis to support data-driven business decisions.

TECHNICAL SKILLS:

- **Programming Languages:** Python, SQL, C
- **Frameworks:** Django, FastAPI, NinjaAPI, LangChain
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau
- **Data Analysis Tools & Techniques:** Data Cleaning, Data Wrangling, Statistical Analysis, Data Visualization, Exploratory Data Analysis (EDA)
- **Databases:** MySQL, PostgreSQL
- **Tools & Technologies:** Power BI, Tableau, MS Excel, Azure, Jupyter Notebook, Google Colab, Git, JSON
- **Other Skills:** API Development, Debugging, Troubleshooting, Agile Methodologies, Feature Engineering, Data Validation

Experience

Perfexion information technology pvt ltd

Hyderabad, India

Data Analyst

Oct 2023 – Nov 2024

- Conducted comprehensive data cleaning and preprocessing, ensuring datasets were error-free, consistent, and ready for analysis.
- Integrated data from various marketing channels, built data models, created interactive visualization and reports using PowerBI to provide insights into campaign performance, customer behaviour and demographics
- Created custom reports for Account Managers based on their requirements.
- Created data visuals using cluster column chart, Line chart, funnels etc. using python
- Applied statistical methods to identify patterns, trends, and anomalies in large datasets, enabling actionable insights for decision-making.
- Automated routine data preparation tasks, improving efficiency and reducing processing time using Python-based solutions.
- Managed large datasets efficiently using Python libraries such as Pandas and NumPy, and created detailed visualizations with Matplotlib and Seaborn to present insights clearly.
- Collaborated with cross-functional teams to understand business objectives and tailor data analysis to meet specific needs.

- Demonstrated proficiency in SQL for extracting, transforming, and managing data from relational databases to meet analytical needs.

IN2IT TECHNOLOGY

Noida, India

Python Developer

Dec 2021 – Sep 2023

- Worked as an API developer using the Django framework and FastAPI, implementing various approaches for API validation and response masking.
- Collaborated with cross-functional teams to design and deploy a web application leveraging Python and Django.
- Integrated third-party APIs and services to extend application functionality and meet project requirements.
- Developed unit tests and performed debugging to ensure application stability and maintain code quality.
- Designed and executed database schemas to support scalable data storage and efficient querying for web applications.
- Created data science scripts to analyze employee work history utilizing SQLAlchemy, Pandas, NumPy, Matplotlib, and Seaborn.
- Engineered high-performing PostgreSQL queries to execute complex data analytics tasks, ensuring faster data retrieval and efficient resource utilization.

Internship

Company_Name

Noida, India

Data Analyst Intern

Jun 2021 – Nov 2021

- Conducted comprehensive data cleaning and preprocessing, ensuring datasets were error-free, consistent, and ready for analysis.
- Applied statistical methods to identify patterns, trends, and anomalies in large datasets, enabling actionable insights for decision-making.
- Automated routine data preparation tasks, improving efficiency and reducing processing time using Python-based solutions.
- Managed large datasets efficiently using Python libraries such as Pandas and NumPy, and created detailed visualizations with Matplotlib and Seaborn to present insights clearly.
- Collaborated with cross-functional teams to understand business objectives and tailor data analysis to meet specific needs.
- Demonstrated proficiency in SQL for extracting, transforming, and managing data from relational databases to meet analytical needs.

Projects

Iprovision - Network Automation Tool

- Designed and implemented a web-based application for automating network device configurations using Python, Django, and FastAPI.
- Automated network device provisioning, configuration, and policy management using SSH, NETCONF, and SNMP, cutting configuration time by 40% and significantly reducing human errors.

- Developed and maintained backend APIs using Django and FastAPI to support seamless communication between automation tools and network devices.
- Collaborated with network engineers to ensure smooth integration of automation workflows with existing network setups.
- Conducted user training sessions and created documentation to assist teams in effectively utilizing the automation tool.

Netbox - Network Management Tool

- Developed custom plugins to address client-specific requirements using Django.
- Enhanced system functionality and implemented security measures to improve tool performance.
- Conducted thorough testing and debugging of plugins to ensure seamless integration and optimal performance within client systems.

Education

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| ● Bachelor's of Computer Application (BCA)
CCS University Meerut | 2018-2021 |
| ● Intermediate (12th)
Janta inter college muzaffarnagar | 2017-2018 |
| ● Secondary School Certification (10th)
Galaxy Convent School Rohana | 2015-2016 |

Certifications/Courses

- Complete Python Training Certification (6 months) – Q Spider, Noida
- Certification in LangChain for LLM Application Development