

MUHAMMAD MOHSIN | CV

Software Engineer

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SUMMARY



Mohsin is a software development professional with around 1 year of experience including: Data Preprocessing, Data Analysis, Python Fluency, Pandas, Git, Django, Flask, Fast API, DataBases, Scikit-learn, NUMPY, HTML5/CSS, JavaScript, Web scraping, Selenium.

Mohsin is seeking a challenging software engineering role. Mohsin's goal is to excel as a software engineer by continuously learning and improving his technical skills, staying up-to-date with industry trends and best practices, and using his expertise to solve complex problems and create innovative software solutions for his employer.

AREAS OF EXPERTISE

Specialist skills:	Data Handling (Preprocessing, analysis), Python, Web development, Databases, Machine Learning, Automation
Industry expertise:	Data Infrastructure and Analytics, Telemarketing
Operating systems:	Windows, Linux
Languages, Frameworks & Databases:	Python, Pandas, Scikit-learn, NUMPY, HTML5/CSS, JavaScript, Django, Flask, FastAPI, MySQL, MongoDB,
Version Control System:	Git
Tools & Environment:	PyCharm, Selenium, Visual Studio Code, Git, OVH Cloud, JIRA
Methodologies:	Agile, Scrum

PROFESSIONAL EXPERIENCE

Outright LLC www.outrightllc.com – Full Stack Software Developer (Pakistan)
September 2022 –

Working under the supervision of the CTO of the company and responsible for following tasks:

- **Consumer DB, Search Engine and Unique DB:**
 - Gathering/cleaning/filtering billions of records of consumer data and creating/setting up DBs.
 - Exploring different techniques/libraries/tools (pandas, dask, linux coreutils, multithreaded workers) to process billions of records efficiently. Reducing data frame memory usage, loading data in chunks to avoid oom killing.
 - Design and development of UI and backend to search/export consumer data.
- **Sales CRM:**
 - Automated the lead approval/analytics process by exporting and analyzing data from Ringba (call tracking and analytics platform) using APIs and correctly mapping it with leads submitted by CSRs (customer sale representatives) so that CSRs can see their approved/paid out/rejected leads at day end.
 - Design and development of admin panel (UI and backend) where CSRs can login into their accounts and see their reports.
 - Created APIs which take requests from the agent(user) for sending form data to the server also forwarding to the virtual machine and stored this in the database through django framework
- **DNC Scrubber:**
 - Worked on the DNC (Do Not Call) scrubber. Removed the db already attached and imported/inserted a new dnc file into the new db. Implemented an option in ui to add new dnc numbers.

Technology Stack:

Linux, Python, Redis, HTML, CSS, PHP, JavaScript, MySQL, MongoDB, Django, Flask, Pandas, Dask, APIs, NumPy, Pyspark.

Main Achievements:

- Provided insights from the consumer data to the company.
- Played a major role to provide complete automation of sales reporting.

EmulationAI – Python Developer Intern (Remote)

January 2022 – August 2022

- Developed real-time web based application using websocket connections, ajax, http request and responses, along with database, server side, and client side working through API and Rest API.
- **Dashboard for Sentiment analysis Website:**
 - Developed an ORM for data store in db and gained experience in writing sql queries to get the graphs data from the database. It also involved reading json data and converting them into dataframe.

Technology Stack:

Websockets, AJAX, HTTP, REST API, MySQL, Python, Pandas.

Main Achievements:

- Improve company's website to get noticed and get more projects

S.O.S Solutions – Machine Learning Engineer Intern (Karachi)

September 2021 – December 2021

- Data Explorations, Data Cleaning, EDA, Data preprocessing, Building models, Use machine learning models for best fit, Train and Test data on datasets, Evaluate models for getting best results or accuracy.
- **AI Based Voice Bot:**
 - Take text input in the NLP model, apply every text data pre-processing steps like data mining, remove punctuations, tokenize, stopwords, lower case, stemming, lemmatization. Trained in machine learning model logistic regression, SGD classifier, SVM for text classification on labels and input intents.

Technology Stack:

Machine Learning, NLP, Logistic regression, SVM, Decision tree, Count vectorization, SGD classifier, stemming, lemmatization

Main Achievements:

- Played a major role in model building and delivering AI based applications to clients successfully.

EDUCATION | TRAINING | CERTIFICATES

Higher Education

2016 – 2020

Bachelor of Engineering.
Usman Institute of Technology (NED), Karachi Pakistan.

Academic Projects

- AUTONOMOUS HEXACOPTER (FINAL YEAR PROJECT)

**Trainings 2021
(coursera)**

Data visualization with python, Databases and SQL for Data Science with Python, Python for Data Science, AI & Development, Intro to Machine Learning