

MEHMOOD, SHAHID

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Full Stack Python Engineer

- Qualified and tenacious professional armed with broad-based background and skills in the areas of data engineering, python development, data management, machine learning, and strategy implementation. Displays outstanding ability to plan, coordinate, and implement practices and procedures to bring significant improvements in software and data products.
- Interested to learn new technologies and flexible with any technology stack, desire to embrace and take on new challenges.
- Top-Rated Full Stack Developer with 100% Job Success Rate on Upwork for the last 1 years, details at <https://www.upwork.com/o/profiles/users/~0130c3c3459a8d7322/>.

Tech Skills

Python -- 5 years	Flask -- 2 Years	Git , Jenkins, Docker, Kubernetes
Selenium/Scrapy -- 2 Years	JavaScript/JQuery -- 2 Years	AWS , Google Cloud
Machine Learning -- 1 Year	Django -- 3 Years	Linux, Windows, Mac
Pandas/Scipy/Numpy -- 2 year	Sklearn/TensorFlow -- 1 Year	DevOps - 2 year

Professional Experience

SLASHNEXT - LAHORE, PAKISTAN

Software Engineer (ML), Nov 2018 to Present

working as a software engineer (machine learning) to create anti-phishing and anti spam technology solutions using cutting edge machine learning and artificial intelligence algorithms

Accomplishments & Projects:

- ❑ Performed design, creation, interpretation and management of **data annotation tool** (DAI) for images to get accurately labelled data for classifiers. The tool has reduced the manual effort by 75% and generate real-time stats for the team. Approx. 2 million images have been annotated and the tool is an integral part of data annotators daily work. Different teams use data from this tool to develop classifiers with 100% precision for real-time phishing detection.
- ❑ Developed **behavioural classifier** to detect malicious webpages. The classifier used 28 different attributes from Uri and domain of URL. The classifier used 800k urls from different sources like openphish, urlscan and phishtank. The classifier gain 91% accuracy with 100% precision. The classifier is in production for data annotation before manual annotation.
- ❑ Evaluated datasets for accuracy and quality. Perform data updates, indexing, and maintenance in the application. Helped in the implementation of new data management projects and re-structure of the existing projects.
- ❑ Team Work: Assisted a team of 20 engineers in data management projects when needed. Improve data foundational procedures, guidelines and standards.
- ❑ Problem Solving: Identified and solve issues concerning data engineering to improve data quality. Developed best practices for data management, maintenance, reporting and security.

Tech Stack: Python, **Django**, Kibana, Elastic Search, **Greenplum**, Apache, Docker, Sklearn, Anaconda-Navigator, Jupyter Notebooks, Agile development, Scrum.

IBEX GLOBAL Pvt. Ltd. Lahore, Pakistan

Analyst Software Engineer, Apr 2015 to Jan 2017

Contributed to the entire software development lifecycle from requirement gathering, design, analysis, development and deployments for ODOO functional and technical solutions.

Accomplishments & Projects:

- ❑ Worked on ODOO solution for the knitted garment manufacturing industry. The project was successfully deployed in 20 industries in different areas of Pakistan. It included manufacturing, warehouse, sales, purchase, finance and Payroll module compliant with international standards.
- ❑ Lead a team of 6 engineers and deliver 2 projects in just 6 months with 100% client satisfaction.

Tech Stack: *Python, ODOO, XML, Javascript, Amazon Web Services, Apache*

NEXTBRIDGE Pvt. Ltd. -- Lahore, Pakistan

Associate Software Engineer, Jan 2014 to Mar 2015

Worked with a team of 15 software engineers as a junior engineer to test and document software for client applications. Write, modify, and debug software for client applications.

Accomplishments & Projects:

- ❑ Worked with a dynamic team of 5 engineers including 2 mechanical and 2 mechatronics engineers to develop cigarette sorting software using image processing and computer vision.
- ❑ Developed multiple software in ROS for Baxter Robot and its relevant, a television on-demand solution in Python, Django.
- ❑ Nominated for the award " Emerging Talent 2014 " in Nextbridge.

Tech Stack: *Python, Django, ROS, Image Processing, OpenCV, Linux, Nginx*

Education & Training

LAHORE UNIVERSITY OF MANAGEMENT AND SCIENCES (LUMS) - 3.5

Lahore, Pakistan

Master of Computer Science - MS(CS)

2016-2018

- ❑ TAship for Data mining and computational problem-solving.
- ❑ Major in Data Science & Business Intelligence.
- ❑ Served as student research assistant to work on govt. funded project.

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY (NUST) - 3.0

Islamabad, Pakistan

Bachelor of Engineering (Computer Engineering)

2009-2013

- ❑ Runner up for All PAKISTAN COMPPEC
- ❑ Managing Director - Promotion (SPAL)

Distinctions, Awards & Training:

- ❑ Talent Scholarship offered by LUMS for Graduate program in 2016.
- ❑ ODOO functional training for certification.
- ❑ Tech Speaker at LES 2018 to present data analytics with python short course.
- ❑ Led event management club at my workplace to organize different events to make the work fun.
- ❑ Attended IT Seminars as Guest Speaker for career guide and technology selection for IT Students at NUST for year 2019 & 2020.
- ❑ Selected for 6 months long incubation for my idea at country's largest incubation center with monthly stipend to fund my team and startup.