

Arif Malik

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CAREER OBJECTIVE

Data scientist with strong experience with leading world companies in the areas of Analytics, Data Preprocessing, Design, Development, Implementation and Integration for various Industries using Object Oriented Analysis/ Design /Methodologies to solve challenging business problems.

SUMMARY

- **Programming Skills** — 4 Years of experience in various phases of Software Development Life Cycle (SDLC). Extensively developed and maintained applications that used **Python, C++, C, JavaScript, Unix/Linux, Shell Scripting** along with experience of analysis, design (using UML) and testing, Expertise on data cleansing, mining and modeling using Python frameworks like Pandas, NumPy, SkLearn, TensorFlow. Have developed Low latency, high frequency web applications for analyzing real time data and reporting dashboards using **Flask(Python), Django, JavaScript, Bootstrap**, Experience in working on Azure Cloud.
- **Software Engineering Skills**— Experience with all phases of project life cycle development process (Requirement Analysis, Design, Code, Test and Maintenance). Experience in Packages/Tools like GitHub, SVN, TFS, Tableau, TFS, JIRA, MS-OFFICE, VISIO, VBA.
- **Software Tools**— Operating Systems: Windows, UNIX, Linux, Mac. Languages: Python, C++ with STL, Boost, C, JavaScript, Unix Shell Scripting, UML. Databases: MongoDB, MS SQL, and various other object oriented databases, Internet Technology:HTML, JSON, XML, Bootstrap, AngularJS Tools:Visual Studio, DB Browsers, MSSQL Management Studio, Eclipse, Code, VIM, PyCharm. Version Control: GitHub, BitBucket, TFS, SVN and have experience in both Waterfall and Agile methodologies.

PROFESSIONAL EXPERIENCE

CRISIL Ltd. Research Analyst and Developer	Mumbai, Maharashtra May 2017 to Present
L&T Technology Services Pvt. Ltd. Software Application Engineer	Mumbai, Maharashtra Nov 2014 to June 2017

Roles and Responsibilities

CRISIL Global Research & Analytics (May 2017, Present):

I worked as a Research Analyst Developer supporting development of Python framework for market risk impact and trend analysis team in a bank with one of the largest Investment Banking operations. The process involves automation deployment, data extraction, data cleansing and integration with rich internet applications for market risk and data quality check using both desktop and web applications.

Responsibilities:

- Built fuzzy matching algorithm using k-nearest neighbors to identify non-exact matching duplicates. The algorithm was used to compare two datasets to find the exact match.
- Supporting a team in a bank with one of the largest investment banking operations, closely worked with front office for running jobs and troubleshoot issues
- Working in data migration program where the main goals is migrating data from Legacy to entirely new platform. The process involves testing and data analysis at various stages of migration. It's flexible for users to run software for different types of data and generate reports for analyzing market data, historical data and other details
- Developing web applications for market analysis using Flask, Django Python frameworks for NULL check of various data fields and displays the NULL value percentage in UI for End of Day containers.
- Responsible for analysis, design, development and integration of data migration application with Python/JavaScript/Flask. Developed various scripts for automation of data quality checks.
- UI development for various scripts using Python framework like Django, Flask. Used Object Oriented database for storing data which can be consumed by different work-streams for further analysis

Environment: Python, JavaScript, UNIX using putty.

L&T Technology Services Pvt. Ltd(Nov. 2014 to May 2017)

I worked as an important team member in developing a cutting-edge data analytics tool for utility companies that leverages the connecting devices of the smart grid. The project provides a complete software solution used in analytically optimizing and representing grid data through a cloud-based architecture and individually deployed graphical user interface.

Responsibilities:

- Responsible for development of an advanced, Open-Standards, Web based application used to register, communicate with utility devices and facilitate remote retrieval of transformer monitor data.
- Studied human activity recognition using accelerometer data from smart phones. The project studies the User Identification from walking activity of different users, Data is collected from 22 participants walking in the wild over predefined path

Environment: Tableau desktop, Tableau server, Angularjs, Nodejs, Python, JavaScript

Tools: Visual studio:2015, Tableau

ACADEMIC PROFILE

- Bachelor of Technology - Electronics and Communication Engineering, Lovely Professional University (Punjab, 144402).
- Batch: 2014
- CGPA: 7.8

WORKSHOPS/CERTIFICATES

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| • Qualified GATE 2014 with 88 Percentile | March 2014 |
| • Course completion certificate in Real Time
2012
Embedded Systems (ThinkLabs TechnoSolutions) | Jan 2012 to July |
| • Workshop by Nurture talent (LPU) | 2nd of February 2012 |
| • Attended Workshop on COMSOL Multiphysics at
Mohali (Chandigarh) | 22th of August 2013 |

LANGUAGES

- English, Hindi

EXTRA-CURRICULAR ACTIVITIES

- Worked as a vice president in a team from University for Engineering World Health organization (NGO) and submitted a prototype for building low cost audiometer.