**Anmol Shah**

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**SUMMARY**

* Passionate Data Scientist with over 2 years of professional experience in Custom Algorithm Development, Machine Learning, Data Analytics, Cybersecurity and Wealth Management in companies such as Honeywell, Atlanta and Morgan Stanley, India
* Well-versed through Data-Analytics Life Cycle, Agile methodologies and Test-driven development
* Keen observation, analytical skills besides adaptive and collaborative attitude, and exponential learning curve

**PROFESSIONAL EXPERIENCE**

**Data Scientist at Garrett – Advancing Motion (former: Honeywell Transportation Systems) Atlanta, GA**

(MATLAB **–** Vehicle Network Toolbox, CANalyzer, Sourcetree, BitBucket, Jira, Bamboo, Python, SQL) **Jan’18 – present**

* Working on Cybersecurity in Connected Vehicles, developing **IDS (Intrusion Detection System)** for advanced automotive
* Captured, processed, manipulated and analyzed CAN (Controller Area Network) Bus Data generated by various ECUs (Electronic Control Units) for multiple vehicles using MATLAB and other tools
* Enhanced visual analytics of current algorithms for precise data analysis and better understanding of data
* Performed tuning of custom algorithms for improved and efficient threat detection and reduced number of false alarms
* Increased understanding of Agile Methodologies and Project Management Life Cycle

**Graduate Research Assistant at Georgia State University Atlanta, GA**

(Python, SQL, Jupyter, Anaconda, Tableau 10.4, Machine Learning, Excel, Weka) **Aug’17 – Dec’17**

* With an objective to analyze impact of user-generated content on the browsing and purchasing behavior of customers at E-commerce websites, processed and analyzed large datasets (tens of millions of records of server logs)
* Performed data management, recovery, manipulation, cleansing for complex large datasets of clickstream data and online chatter from weblogs and user forums using a variety of Python libraries (NumPy, Scikit, Pandas) and Database Management Concepts



* Increased clustering accuracy by 20% by re-compiling clustering done using 2 disparate clustering algorithms
* Categorized transaction data using Weka, an unsupervised machine learned clustering tool
* Built visual analytics using Tableau to derive graphs and actionable intelligence from product clustering results



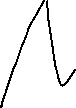
**Data Analyst at WebCraft IT**   **Indore, India**

(Python, Java, Oracle MySQL, Excel, Tableau) **Jun’16 – Jun’17**

* Involved in consulting overseas clients to analyze business needs and incorporate the requirements in application development
* Handled and manipulated large datasets (tens of millions of transactions and server logs) for data analytics
* Created visual insights using Tableau to help expand business in 3 new locations and increased cross-selling performance by 2%

**Summer Analyst at Morgan Stanley Advantage Services Mumbai, India**

(MySQL, TeraData, QlikView, Linux Scripting) **May’15 – Jul’15**



* Built generalized and scalable QlikView dashboards to determine trends, identify and report inaccuracies in the financial data
* Cross-validated the dashboards using TeraData (MySQL) and learned about the Wealth Management Department
* Created server-side Linux Scripts to link the database server and the front-end tool

**SKILLS**

* Analytics and Visualization: Python (Pandas, NumPy, Matplotlib, Scikit), MATLAB, R, QlikView, Tableau 10.5
* Databases: TeraData, MySQL, SQL, MongoDB, Neo4J
* Development Tools: Eclipse, Anaconda, R Studio, Jupyter Notebook, SQL Developer
* Cloud Platforms and Big Data: Apache Spark (Databricks), Hadoop
* CI/CD and Agile Tools: Sourcetree, Bitbucket, Jira, Bamboo, Kanban, Confluence

**EDUCATION**

**J. Mack Robinson School of Business, Georgia State University Atlanta, USA**

Master of Science in Information Systems, Big Data Management and Analytics (**GPA – 3.86**) **Jul’18**

(Process Innovation, Structured and Unstructured Database Management and Analytics, IT Infrastructure for Big Data)

**National Institute of Technology | Warangal Warangal, India**

Bachelor of Technology in Electronics and Communication Engineering (**GPA – 7.28/10.0**) **May’16**

(Data Structures, Design and Analysis of Algorithms, Computer Networks)



**PROJECTS**

* **AR Maintenance Advisor**: Created an Augmented Reality based application on Unity 3D Engine to assist Airport Maintenance Staff in resolving malfunctions and performing service related tasks. Provided an end-to-end solution, demonstrated using Kinect
* **Cryptocurrency Trend Analysis**: Analyzed the trends in prices (USD value) of multiple cryptocurrencies, identified the correlation between them to predict trends in near future using Python (Pandas, NumPy, Matplotlib, sklearn)
* **Kickstarter Funding Analysis**: Analyzed the probability of a project to be funded after being launched on [www.kickstarter.com](http://www.kickstarter.com) based on various factors using Apache Spark