SHAHAB GERAVESH

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EDUCATION

- **M.S. Data Science Engineering** — **UC Riverside, Jan 2021**
- **B.S. Business Administration- Information Systems** — **UC Riverside, Mar 2019**
- **Coding Bootcamp** — **UC Berkeley, exp Oct 2021**

SKILLS

Artificial Intelligence, Data Mining and Analytics, Machine Learning, Deep Learning, Pytorch Tensorflow, Theano, Pandas, Numpy, Python, R, Apache Spark, SQL, Tableau, Power BI, DOMO, Natural Language Processing, Matlab, Oracle PL/SQL, Mysql,SQL, Metadata, Statistical Modeling, Big Data, Operations Research, Javascript, React.js, MongoDB, Node.js

PROFESSIONAL EXPERIENCE

VMware. Inc (Contract) Program Manager- Data Analyst — **Mar 2019 to present**

- Interpreted and analyzed global incident data with python, and Apache Spark
- Developed deep learning architectures such as CNN and RNN Machine learning algorithms to classify global incidents data
- Collaborated with the data analytics team to extract and validate the global badging data and report the global employee attendance by site during pandemic
- Delivered various Ad-Hoc reports by writing complex SQL queries from multiple databases and developed dashboards by data visualization tools such as Power BI and Tableau
- Established and tracked department metrics and KPIs by building interactive dashboards with Tableau and Power BI
- Oversaw $3M plus budget, incident data, training and compliance, workday data, global alarm data, access control and badging data and ensured the data quality, and consistency
- Maintained database, processed, and refined raw data by using Python modules and Java for data analysis
- Wrote python program usage guides and manual for technical and non-technical audience
- Oversee the day-to-day operations of the Physical Security program at VMware headquarters, a 105-acre tech campus that has 21 buildings and 50+ Security personnel
- Lead and conduct investigations; serve as an escalation point for operational emergencies, incidents, thefts and all issues or concerns.

Graduate Data Science Researcher — **Apr 2019 to January 2021**

- Developed probabilistic Machine Learning models such as Convolutional neural networks, Bayesian sentiment to classify opinions from a text which detects emotions and sarcasm by assigning polarity to a piece of text
- Designed a simple architecture of MLP which can recognize 6 human activities accurately and measured the accuracy, precision, recall, f1 score and Cohn's Kappa to evaluate the model. The model has the accuracy of 95%.

Digital Realty Trust (Contract) Part Time Shift Supervisor while pursuing undergraduate degree — **Apr 2016 to Jul 2019**

- Oversaw a $1M+ plus budget and managed payroll for 15+ staff
- Oversaw day-to-day operations of the Digital Realty security program
- Reviewed operational reports, company instructions, and government regulations to detect deviations from operational practices
- Managed all HR matters and conducted investigations and measured staff development

San Jose City College Mathematics and Computer Science Tutor — **Feb 2017 to Dec 2017**

- Instructed lower division Computer Science and Math students in key subject concepts such as Calculus, Linear Algebra, Data Mining with python, differential equations
- Developed study guide for exams

CERTIFICATES AND AWARDS

- Probability distribution for real world problems in R — **Dec 2020**
- Machine Learning with Apache Spark (Coursera) — **Aug 2020**
- SQL for Data Science (Coursera) — **Aug 2020**
- Python Core and Advanced Programming-Deep Dive (VMware) — **Oct 2019**
- Dean's honor list — **Fall 2018 and Spring 2016**

RELEVANT COURSEWORK

- Data Mining and Visual Analytics (Tableau, Python)
- Database Management Systems
- Technology Innovation and Strategy
- Spreadsheet Modeling
- Systems Analysis and Design
- Technology Entrepreneurship
- Simulation for Business
- Introduction to Systems Engineering
- Differential Equations
- Introduction to Topology
- Fourier Analysis
- Complex Variables
- Probability and Statistics
- Principles of Discrete Applied Mathematics