

Alavi Khan

Analytics Professional with over 3 years of exp. in
Product Development and Management.

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EDUCATION

M.S. Degree in Artificial Intelligence (GPA 3.56)

Aug 2021 - May 2023

San Jose State University, San Jose, CA

Relevant Coursework: Artificial Intelligence, Data Mining, Machine Learning

M.B.A in Technology Management (GPA: 3.61)

Aug 2013 - May 2018

Narsee Monjee Institute of Management Studies, Mumbai, India

Relevant Coursework: Predictive Modelling, Business Analytics, Financial Management

Bachelor of Technology in Computer Engineering (GPA: 3.61)

Aug 2013 - May 2018

Narsee Monjee Institute of Management Studies, Mumbai, India

SKILLS

- **Programming Languages:** Python, R, JavaScript, COBOL, C++, Core Java, Neo4j, SQL Server, mysql, Nosql.
- **Soft Skill:** Leadership, Team player, Self-Starter, Adaptive, Task Administration, Conflict Resolution
- **Web Technologies & Frameworks:** Node JS, HTML, CSS, Bootstrap, Deep Learning Frameworks.
- **Data Science Tech:** NLTK, Keras, Tensor Flow, H2O, Data Robot, Pytorch, Hadoop.
- **Certification:** Data Science and Big Data Analytics -EMC Academic Associate, Cloud Infrastructure- EMC Academic Associate.
- **Other Tools & Platforms:** Git, Tablue , Excel, Powepoint , Power BI, SSIS, AWS, Apache Spark , RESTful API.

ACADEMIC PROJECTS

Document Data Clustering and Summarization

Fall 2021

- Reduced features using Singular Value Decomposition (SVD) dimensionality reduction technique from more than 100 hundred thousand to 150 key factors for optimized space and reduced time requirement by 50%.
- Implemented Bisecting K-means with internal evaluation metrics to cluster Documents reducing 20% time required in traditional K-means based on Euclidean distance.

Nursing Home Staffing Data Analysis

Fall 2021

- Conducted exploratory data analysis of more than 20 Nursing homes to understand data distribution in American Nursing homes in past 4 years.
- Determined real relation function using ensemble classification and regression model with accuracy of 65%.

WORK EXPERIENCE

Consultant – Sapiens International Corporation

June 2018 - August 2021

- Led Automated Logic Extraction (ALE) product team of 5 as Product Architect to deliver product for more than 3 clients in time intensive environment and contributed in more than 20 API development.
- Gathered market requirements for Insurance migration product and analyzed of more than 20 existing products to establish new product goals for business.
- Performed continuous integration to ensure ML pipeline is deployed and has less than 5 % downtime.
- Designed glossary name suggestion Feature using Part of Speech Tagging analysis.
- Developed product for text extraction from PDF reducing manual work by 70%.
- Assist other project teams with data analysis, data mining and data profiling as needed.

Quantitative Research Intern – Motilal Oswal Financial Services

May 2017 - September 2017

- Developed Customer Analytics model to predict customer policy renewal behavior with 80 % accuracy.
- Built sentiment to analyze real time financial news feeds with python bag of words model for increasing trader's efficiency by 50% and give them key financial KPI visualization.
- Developed web scrapper to aggregate relevant news feeds from more than 25 financial news provider and services under a single source for dashboard with frequent refresh rate.
- Implemented deep neural network to provide accuracy score of 97%.

AWARDS AND RECOGNITIONS

- Awarded with WOW Award for building text mining capability from PDFs in Analytics team.
- Graduate Aptitude Test Exam (GATE) - Ranked 2469 out of 96878 in Computer Science Stream (2017) in India.
- Received recognition for successful integration of ALE- COBOL with multiple clients.