

Vaishnavi Deshpande

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362 Sip Avenue, Floor 3, Jersey City, New Jersey, 07306

EDUCATION

University of Pittsburgh

Master of Science in Information Science with specialization in Big Data Analytics

Pittsburgh, PA

August 2017-April 2019

Relevant Coursework: Machine Learning, Advanced Database Management Systems, Artificial Intelligence, Natural Language Processing, Data Analytics, Data Mining, Algorithm Design, Human Information Processing, Decision support and analysis

PES University

Bachelor of Engineering in Information Science

Bangalore, India

July 2011 - May 2015

Relevant Coursework: Analysis & Design of Algorithms, Data Structures using C, Operating Systems, Pattern Recognition, Software Engineering, Computer Networks, Web Technologies

SKILLS

- **Programming and Visualization Tool:** Python, R, C++, Java, Tableau
- **Databases/Web languages:** MySQL, NoSQL, HTML, CSS
- **BigData EcoSystem:** Hadoop, Hive, MapReduce, Airflow
- **ML Libraries:** Scikit-Learn, Numpy, Pandas, Jupyter Notebook, NLTK, Word2Vec, Tensorflow
- **Operating System:** Windows, Linux, Unix

EXPERIENCE

Mylan N.V

Cloud ERP Co-Op

Canonsburg, PA

Aug 2018 - Dec 2018

- Applied analytical skills to enable the company to understand employee performance within the target application and assisted with data-driven decisions providing in-application, context-sensitive support to the users.
- Worked on Enterprise Resource Planning (ERP) training applications to support training strategy implementation across project portfolio and to evaluate the needs in different business area and geographies.
- Improved digital adoption for enterprise applications using SaaS software, Epilogue Opus-cloud productivity acceleration platform.
- Focused on training strategy and implementation which helped the new joiners in integration, mitigation and acquisition of new softwares and tools used in ERP team.
- Improved user adoption, enhanced user proficiency and collaborated closely with the teams to build strong Big Data foundation.

Mylan N.V

Analytics Intern

Canonsburg, PA

May 2018 - Aug 2018

- Supported initiatives including execution, tracking, reporting and budget consolidation resulting in a 25% reduction in the costs. Also facilitated the project status communication across IT and Business stakeholders.
- Analyzed the projects in the ERP team and developed reports using tools using Tableau.
- Developed Project Management Catalog with templates for each phase of the Project Development Life Cycle to help the team and project managers for future reference.
- Consolidated the resource requirements, budget forecast, and reported deviations. Also reviewed the project status reports for the entire project portfolio across IT and business stakeholders.

Accenture Services Private Limited

Software Engineer

Mumbai, India

Jul 2015 - Mar 2017

- Developed and maintained ETL processes supporting data warehouse, business intelligence, internal and external data integration.
- Built and maintained SQL scripts, indexes, and complex queries for data analysis and extraction for various projects.
- Ensured query optimization by writing efficient SQL queries and devised solutions for bugs and maintained code quality.
- Resolved customer issues by establishing solutions and workarounds by debugging and creating defect fixes. This increased productivity by 12%, saving an additional \$15000 to the company.
- Worked in the SAP Forms & Processes, Workflow teams and resolved incidents with extremely satisfied feedback from users.
- Developed enterprise applications for the J2EE platform using Core Java, Servlets, Spring, Maven during greenfield training.

MAJOR PROJECTS

- **Model-free Reinforcement Learning** Solved the Pacman problem, where the agent tries to get to the goal state by moving through the search space using multi agent search and Q-learning.
- **Formality Style transfer** Applied techniques to evaluate the formality of text using copy enriched sequence to sequence models. CNN's gave 84% correctness for formality transfer as compared to 70% for BiLSTM.
- **Sentiment Analysis** Implemented regression, classification techniques and built a model for predicting product reviews to recommend products to the users.
- **Automatic Text Summarization** Applied Natural language processing techniques to compress larger original text into shorter text to generate a summary.
- **Predicting the user ratings for business using yelp data-set** Applied regression techniques to predict user ratings for business listed in the Yelp data-set.
- **Animal shelter database** Built data marts for animal shelter database.