

Pujeethaa Jakka

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SUMMARY

Experience in Data sciences & Data Analytics
Special focus on customer facing applications
Good at turning data into actionable insights
Strong Analytical and Problem-solving skills
Strategic Planner with technical expertise
Strong data-visualization and story-telling skills

Product manager with strong leadership skills
Experience in Machine Learning
Good at querying large databases
Good at generating new ideas
Self-motivated team player
Good at writing user stories

EDUCATION

University of Illinois, Urbana-Champaign, IL
Master of Science, School of Information sciences, December 2019

GPA 4.0/4.0

SASTRA University, Thanjavur, India
Bachelor of Technology, Bioinformatics Engineering

GPA 3.8/4.0

ACADEMIC

Data Mining, Data Visualization, Data warehousing & Business intelligence, Machine Learning, Statistics, Applied Business Research, Socio-Technical Info systems, Information Modelling, Information Consulting, Data Science Story Telling, Database Design & Prototyping, Business Data Modelling and Predictive Analytics.

PROJECTS

Analyzing cancer trends using Tableau

- Analyzed the worldwide and US-wide cancer data to understand the Incidence and Mortality trends.
- Visualized the cancer picture – Worldwide (Top 5 countries with the highest rates of cancer prevalence & mortality), USA (Top 5 states with the most life-threatening cancers)
- Visualized a forecast of cancer trends and reasoned the increasing/decreasing trends.
- Studied the correlation between cancer and annual income of different countries.

Analyzing and Visualizing the shoes of men and women using Python

- Using Python's matplotlib, bqplot, and ipywidgets, analyzed the most popular brands of shoes among men and women.
- Visualized –
 - The average price of the 15 most popular brands for Men and Women
 - Price distribution by Gender
 - Most popular colors
 - Price distribution by color

Analysis of air pollution levels and its contributing factors using Machine Learning models

- Worked with Beijing City's pollution data.
- Used various machine learning models to predict the particulate matter(pm2.5) value taking the wind speed, temperature, wind direction, date, and time as the predictor variables.
- Discovered an interesting pattern in the outlier data and analyzed it further to understand the data's revelation.
- Achieved an RMSE score of around 20 - 21

Movie recommendation System using collaborative filtering

- Applied collaborative filtering to a dataset of movie ratings.
- Predicted the movie ratings for movies that users had not yet rated.
- This helped to recommend movies with highest predicted ratings to the user.

SKILLS

Programming

SQL, Python, R, Java

Visualization Tools/Libraries

Tableau, Power BI, Scikit-learn, ggplot, Tibco Spotfire

Product Management/Tools

Slack, Jira, Asana, Business Objects, Weka, Rattle, MS Office

Web Technologies

HTML5, JSON, XML, CSS

EXPERIENCE

Data Visualization and Communication Intern (Product Mgmt) – Bayer

May 2019 – August 2019

- SoyDash is the Product. SoyDash is a one-stop dashboard to track various stages of soy seed production from planting to packing
- Collaborated with multiple stakeholders across business units to understand functional requirements
- Queried large databases using SQL to extract, transform the data & to track the operational touchpoints
- Built visualization by extracting data from different sources to enable stakeholders find insights
- Enabled planning & logistics team in early issue detection and overall better communication among the teams. #Spotfire #SQL #R #Jira

Strategic Operations Consultant – Illinois Business Consulting

May 2019 – present

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- Illinois Business Consulting is the largest professionally-managed, student-run university consulting organization in the country
- Learning and Development team - develop RAMP (Rotation and Mentorship program), training and Knowledge management resources for the incoming fall consultants, project managers at IBC
- Knowledge Management expert on the team

Graduate Assistant - University of Illinois, Urbana Champaign

October 2018 - Present

- Tutor/Grader for CS598/IS531 – Foundation Data curation & BADM 590 - Predictive analytics.

Consultant – Business Intelligence Group [BIG]

- Provided Knowledge Management Service to a Student Consulting organization at UIUC.
- Helped them manage their intellectual assets by providing technological solutions
- Developed Organizational policies and structure to embed Knowledge Management Process into the organizational structure
- Promoted to Senior Consultant

Product Manager & Founder - ImpressionsInfinite

January 2017 - December 2018

- Hoardapenny is the product and it is a real time deals web app that provides best deals by scraping web content, ingesting it to a scalable index, notify subscribers top rated deals. #elasticsearch #pwa #cloud

Data Analyst (Project Lead) - Wipro Technologies

Client: Banking & Financial Industry

- Identified potential high value customers in different regions to cross sell different products
- Generated insights on different promotions (Measure impact and ROI) by slicing and dicing data
- Discovered and analyzed interesting patterns hidden in the data
- Built interactive dashboards in Tableau from different sources of data for all stakeholders to use
- Mentored and managed a team of 3 data analysts #Tableau #PivotTable #SQLServer

Software Engineer in Test - Wipro Technologies

- Built one-stop monitoring dashboard to monitor the performance of various services like Eclipse Greet and SAO Greet, Citi planner etc and send test automation reports in an email.
- Automated environment health check process in QTP using VB script.

Central Leather Research Institute – Research Analyst – Intern

Molecular Modelling of the Interactions between the Mismatch Repair Proteins

- Modelled and Analyzed the interactions between the MMR proteins failing in repairing a mismatch occurring during replication which might cause Cancer using MATLAB and MS Excel.
- Identified a suitable template based on sequence similarity for the 26 different organisms that were selected & modeled their structures.
- Visualized using Pymol to identify the interacting residues which are potential targets for drug designing.

CERTIFICATES

Machine Learning - Coursera, Stanford University - **License MUJ8UJ2Z2QGN**

Managing **BIG DATA** with MySQL - Coursera, Duke University

Data Visualization & Communication with **Tableau** - Coursera, Duke University

Project Management: Solving Common Project Problems – LinkedIn

Product Management: Building a Product Strategy - LinkedIn

PORTFOLIO

Visualization: <https://public.tableau.com/profile/pujeethaa.jakka#!/>

HONORS

“**Prodigy Award**” – Wipro Technologies, Chennai, India

“**Topper in Mathematics**” – SASTRA University & Bhaktavatsalam Vidyashram High School, India

“**Best Paper Award**” - “**Application of Data Mining**” – PRATYARTH 2009, SASTRA University –India.

“**Bronze Medal**” - “**International Award for young people**”

VOLUNTEERING

Conducted Arts and crafts classes for kids at Kent Hindu Temple at Kent, WA during festivals every year.
Student Placement Coordinator, Department of Bioinformatics Engineering, SASTRA 2010.