

# Firdhous Puraliyil

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<http://auckland.bauer.uh.edu/students/gl1525/portfolio/>

## EDUCATION

### University of Texas at Dallas

Master of Science in Business Analytics; Master of Business Administration

May 2023

**GPA: 3.46**

### University of Houston

B.B.A Management Information Systems

August 2019

**GPA: 3.48**

## TECHNICAL SKILLS

**Computer:** Python (Pandas, NumPy), R, SQL, Power BI, Tableau, Java, Javascript, HTML, REST API, Jenkins, CSS, .NET

Framework, ASP, Visual Basic, C#, Excel (VLookup, Macros, Slicer, PivotTables), Access, Word, PowerPoint, AWS (S3, Lambda)

**Statistics:** A/B Testing, ANOVA, Bayes Theorem, Chi-Square, Confidence Intervals, Hypothesis Testing, Logistic Regression, Log Transformation, T-Tests, Z-Tests

## PROFESSIONAL EXPERIENCE

### Wipro Limited, Plano, Texas

August 2019 - July 2021

IT Project Engineer

- **Facebook** -Test Engineer (Contractor), Austin, Texas January 2021 - July 2021
  - Delivered 150+ reports per week, providing analysis on defects to inform action plans to engineering team
  - Produced 10 key metrics during application testing to reduce resolution time by 15 min per task on software defects
  - Implemented additional task buckets to organize tasks efficiently in order to reduce unsolved task time by 5 min per task
- **Capital One** - Data Engineer (Contractor), Plano, Texas February 2020 - December 2020
  - Generated Python script to cleanse 100+ data files from various sources to detect 10000+ vulnerabilities per week
  - Created Python scripts to gather data from Snowflake using SQL to reduce time to run main program by 1 hour per day
  - Developed Python script to resolve issue of task creation for 1000+ vulnerabilities, reducing PM load 20+ min per day
  - Leveraged Jenkins, AWS (Lambdas, S3), Python and JIRA to automate dashboard and task creation which led to an additional 1 hour reduction when running dashboard program

### Sales Associate

December 2018 - January 2019

Burlington Coat Factory, Austin, Texas

- Managed funds totaling \$8,000 per week and implemented optimal product placement
- Interacted with customers on a daily basis ensuring operational excellence and customer satisfaction

### Intern Recruiter

January 2017 - July 2017

49 Financial, Austin, Texas

- Screened professional networks to determine potential new hire candidates for firm based on school and work experience
- Used Excel to create tables weekly with information of 100 candidates while maintaining data validation rules and integrity

## ACADEMIC PROJECTS

### Capstone Project

December 2020

- Analyzed 3 cities to determine market similarities by clustering 5 categories; venue, cost of living, weather, health and census using Python; leveraged Foursquare API to aggregate data
- Produced a report and presentation using data science methodology to deliver research results and recommendation

### Agape Development Project, University of Houston

Spring 2019

- Gathered requirements for paperless storage through biweekly meetings to understand business processes
- Implemented the recommended solution and transferred 5000+ hard copy documents into Google Suite

### Table Turns Project, University of Houston

Spring 2019

- Analyzed different variables of a restaurant, such as number of traditional or creative food would affect table turns using R
- Conducted correlation test to determine variables correlated to turns and prediction function to predict the top ten restaurants

## ADDITIONAL INFORMATION:

**Languages:** Malayalam, Spanish (Conversational)

**Eligibility:** US Citizen