

# ADHIDHEE RAVISHANKAR

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Data-driven professional with **3+ years of experience** in data **engineering**, **business intelligence**, and **dashboard** development. Skilled in building **end-to-end ETL pipelines** using Python, SQL, and Spark, and creating impactful visual dashboards with Power BI and Tableau. Extensive hands-on experience with Azure Data Lake and Databricks, processing datasets exceeding 2TB+. Adept at **transforming raw data into clear insights** to drive business decisions. **Microsoft-certified** in Power BI with a proven track record of automation, visualization, and cross-functional collaboration

## EDUCATION

- **UNIVERSITY OF SOUTHERN CALIFORNIA** Los Angeles, CA  
*Master of Science*, Computer Engineering (20/28 credits hours) December 2024  
Coursework: Database Management, Signal Processing, Probability, Computer Networks, Mobile Communication
- **SRM INSTITUTE OF SCIENCE & TECHNOLOGY** Chennai  
*Bachelor of Technology*, Electronics and Communications Engineering May 2022

## WORK EXPERIENCE

1. **STATS PERFORM – AI & Data Engineer** Apr 2025 – Present
  - Built **Python** pipelines to parse **JSON tracking logs** and extract player **movement patterns** and tactical events
  - Created over **40+ visualizations** (heatmaps, bar charts, trend lines) to support football strategy teams
  - Processed **376+ structured JSON files** for large-scale analytics across tournaments
  - Mapped player IDs and resolved **naming inconsistencies** to ensure accurate team-level insights
  - Designed HTML galleries for **internal visualization** reviews and data presentation
  - Designed internal **dashboards using Power BI** to track game insights and label distribution across teams
2. **COGNIZANT TECHNOLOGY SOLUTIONS – Data Engineer** Feb 2022 – Apr 2023
  - Designed **automated ETL pipelines** in Databricks using PySpark, reducing manual processing by 80%
  - Ingested and **processed 2+ TB of structured/unstructured** data into Azure Data Lake, enabling faster access
  - Developed **10+ Power BI dashboards** for sales, finance, and operations, reducing reporting time by 30%
  - Wrote optimized **SQL queries for data extraction**, cleansing, and transformation
  - **Monitored** and optimized pipelines, achieving a 99% success rate in **scheduled jobs**
3. **PRACO DEVICES – Electrical Engineer** Aug 2020 – Dec 2020
  - Designed and implemented high-speed, **multi-layer PCBs** adhering to industry standards
  - Created **detailed schematic**, assembly, and fabrication drawings using **advanced CAD tools**

## ACADEMIC PROJECTS

1. **Automated End-to-End Data Engineering Pipeline**
  - Developed an End-to-End Loan Default Analysis **ELT Pipeline** with Data **Factory**, Data **Bricks**, Synapse and **Power BI**
2. **Sales Dashboard: Real-Time Sales Performance Monitoring with Tableau**
  - Created **interactive dashboards** for Sales & HR **KPIs** (revenue, churn, retention) using Tableau, improving cross-team visibility by 30% through automated insights
3. **Student Performance Analysis System**
  - Built a **distributed C++ client-server system** using UNIX TCP/UDP sockets, with a main server coordinating **3 backend servers** to handle real-time GPA calculations and departmental statistics from CSV records
  - Implemented **fork()** - based **concurrency** and custom inter-process protocols for **scalable**, multi-client support, with detailed on-screen logging to ensure traceability

## SKILLS & CERTIFICATIONS

- Languages : **Python** - Pandas, Scikit learn, Matplotlib, **SQL**, HTML, Arduino C, Git
- Data Engineering: **Databricks**, Hadoop, PySpark, **ETL/ELT**, Snowflake, [Tableau](#), **PowerBI**, AWS, Azure
- Software tools : Linux, MATLAB, SCILAB, AutoCAD, Jira, EAGLE, Ubuntu
- Certifications : **Microsoft Certified: Power BI Data Analyst Associate**, Microsoft Azure AI - 900, Microsoft Azure PL - 900, EDA for ML, Statistical Analysis: Hypothesis Testing

## EXTRA CURRICULARS

- Olympiad Grader: SciBaT BirdSo | **Equity Investor** with personal portfolio [\[Personal Portfolio\]](#)
- State-level **Shot Put & Discus Throw** athlete | District Table Tennis Player | **Chess** Enthusiast [\[Portfolio\]](#)
- Certified **Guitarist Grade 4** (Trinity College of Music, London)