

Pavithira Senthilkumar

[LinkedIn](#) • [Github](#)

PROFESSIONAL SUMMARY

With a strong foundation in software development and a passion for data analysis, I bring 2 years of hands-on experience in agile environments, where I developed robust systems and improved technical workflows. Currently pursuing a Data Science certification, I am proficient in SQL and Excel, excelling at analyzing large datasets, uncovering patterns, and turning raw data into strategic insights. Eager to leverage my technical background and data-driven approach to drive meaningful business decisions and contribute to growth through actionable analytics.

EDUCATION

Bachelor of Engineering (Electrical and Electronics Engineering.) Anna University	2018 - 2022 Grade: 9.12/10.0
Intermediate (Class XII) APMHSS	2017 - 2018 Grade: 89.0%
Matriculation (Class X) APMHSS	2015 - 2016 Grade: 93.0%

EXPERIENCE

Associate software developer January 2023 - December 2024
Bosch Global Software Technologies *Coimbatore*

- Analyzed power monitoring data of steering to detect anomalies and trends, improving system stabilization.
- Performed data-driven quality checks, enhancing system functionality and ensuring error-free operations.
- Transformed raw data of fault detection into actionable insights by automating , reducing data processing time and manual efforts **100%** and monitoring processes.
- Ensured **100%** validation coverage, conducting rigorous data quality checks to maintain high system accuracy.
- Strengthened cross-functional collaboration, working closely with stakeholders to analyze requirements and improve operational workflows.
- Improved system stability by **60%** by identifying and resolving power monitoring issues through meticulous analysis and testing.

PROJECTS

Chinook Music Store Project ([Github](#)) March 2025

- **Analyzed Chinook's music record sales** to uncover **key trends** and insights.
- **Studied customer purchase behavior** to improve **retention** and **revenue**.
- **Assessed genre performance** to optimize **inventory** and **marketing strategies**.
- **Identified regional sales trends** to target **key markets** for **expansion**.
- Suggested improvements for **cross-selling** and **pricing strategies**.

IT Ticket Analysis ([Github](#)) December 2024

- **Analyzed IT support ticket data** to assess **resolution efficiency** and **agent performance**.
- **Identified areas for process improvement** to enhance **ticket handling**.
- Used **data insights** to guide **staffing, training, and resource allocation**.
- Presented **structured reports** to **leadership**, aiding **strategic decisions**.
- Focused on **optimizing team performance** and **software solutions**.

CERTIFICATIONS

Data Analytics Job Simulation Deloitte ([Link](#)) August 2025

- Completed a Deloitte job simulation involving data analysis and forensic technology
- Created a data dashboard using Tableau
- Used Excel to classify data and draw business conclusions

Professional Certificate in Data Science Newton School August 2024

- Currently pursuing a comprehensive Newton 's Data Science certification program encompassing data analysis, machine learning, statistical modeling, and data visualization.
- Gained proficiency in SQL, Power BI, spreadsheet applications, and statistical methodologies to effectively harness the power of data for informed decision-making.
- Acquiring practical skills to drive data-driven decisions, empowering future endeavors in the dynamic and rewarding realm of data science.

SKILLS

Computer Language: Python, SQL

Soft Skill: Communication Skills, Critical Thinking, Decision-making, Teamwork

Databases & Data Tools: Excel, Power BI, Spreadsheet

Domain & Business Skills: Analytics, Jira