

# Pavithira Senthilkumar

[LinkedIn](#) • [Github](#)

## PROFESSIONAL SUMMARY

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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

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

## EXPERIENCE

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**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

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**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

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**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

- 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

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**Computer Languages:** Python, SQL

**Data Tools:** Power BI

**Software Packages:** Excel

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

**Others:** Spreadsheet, Analytics, Jira