

# Nandhini Rajesh

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## Profile

Results-driven and detail-oriented Data Analyst with strong expertise in Power BI, Excel, SQL, and Python for transforming raw data into actionable insights. Skilled in data cleaning, modeling, visualization, and building interactive dashboards for KPI tracking and trend analysis. Adept at problem-solving, applying analytical techniques, and supporting data-driven decision-making across business and real-time analytics.

## Education

### B.Tech in Artificial Intelligence and Data Science

ACET (2021–25) CGPA: 8.2  
HSC – 92% (2020–21)  
SSLC – 89% (2018–19), GHSS Kuppam

## Technical Skills

- Programming Languages: Python, Java
- Data Visualization: Power BI, Advanced Excel
- Data Analysis
- SQL

## Projects

### Smart City Traffic Control Dashboard

Developed an interactive Power BI dashboard to analyze traffic flow, congestion, accidents, and environmental factors across city intersections. Performed complete data preparation and created key DAX measures such as Accident Rate

### Online Course Enrollment Dashboard

Created a Power BI dashboard to track student enrollments, total fee collection, and course-wise performance. Built essential DAX measures including Total Fee, Student Count, Average Fee, and Region-wise Revenue. Developed visuals such as cards, bar charts, line trends, pie/donut charts, and stacked columns for clear analysis. Enabled stakeholders to understand enrollment trends, course profitability, and learner distribution for effective academic decision-making.

### Air Quality Analysis and Prediction in Tamil Nadu

Designed machine learning models for air quality forecasting using supervised learning and time-series data analysis. Applied data preprocessing, feature engineering, and predictive modeling to monitor pollutant levels and enable proactive measures for public health improvement.

## Certificates

- Java, SQL Course (Silicon Software Services)
- Python (Great Learning)
- Power BI (Great Learning)
- AI and Life and Employability Skill Program (Magic Bus Foundation, supported by Cisco)

## Achievements

- Maintained strong academic excellence.
- Demonstrating consistent performance and a deep understanding of core AI and data-driven technologies.
- Won 1st place in India's South Zone Tennis Ball Cricket Tournament.