

Hema Nandhini D

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STATISTICAL PROGRAMMER / DATA ANALYST

Detail-oriented Statistical Programmer and Data Analyst with expertise in Python, SQL, Excel, EDA, statistical analysis, and dashboard development using Power BI and Tableau. Adept at transforming raw data into actionable insights and automating workflows to improve efficiency.

SKILLS

- Python, SQL, SAS, Advanced Excel
- SDTM, ADaM, Clinical Programming Basics
- Power BI, Tableau
- Data modeling, warehousing
- Statistical analysis, hypothesis testing
- Automation (Python), Git, GitHub

PROFESSIONAL EXPERIENCE

Syneos Health — Statistical Programmer (April 2025 – Present)

- Improved data processing efficiency by 30% by automating workflows using Python.
- Developed Power BI dashboards that reduced manual reporting time by 40%.
- Performed EDA to identify key trends and supported clinical data insights.
- Built data models and DAX measures for automated business tracking.
- Wrote optimized SQL queries, reducing data extraction time by 25%.
- Validated datasets and generated analytical summaries with high accuracy.

INTERNSHIP EXPERIENCE

ExcelR — Data Analyst Trainee (June 2024 – Feb 2025)

- Cleaned and analyzed datasets (10,000+ rows) to uncover business insights.
- Built dashboards in Power BI/Tableau increasing user-level understanding of KPIs.
- Implemented regression and hypothesis testing for real-world datasets.
- Developed Python scripts to automate repetitive tasks, boosting efficiency by 20%.

CERTIFICATIONS

- HackerRank — SQL (Basic & Intermediate), Python (Basic & Intermediate)
- Infosys Springboard — Database Management System
- Tata Forage — Data Visualization Simulation
- Google — Data Analytics Capstone

EDUCATION

- BE CSE — Jansons Institute of Engineering and Technology (2020–2024 | 85%)
- HSC — Kongu Vellalar MHSS (2020 | 85%)
- SSLC — Kongu Vellalar MHSS (2018 | 95%)

PROJECTS

- Real Estate Market Analysis: Analyzed property trends and uncovered pricing insights using Python (NumPy, Matplotlib, Seaborn).
- HR Analytics Dashboard: Built an interactive dashboard to track attrition and hiring trends using Power BI, SQL, and DAX.
- Sales Performance Dashboard: Created dynamic dashboards to monitor revenue, product performance, and region-wise trends.
- Brain Tumor Detection (Deep Learning): Built a CNN model in TensorFlow/Keras to classify MRI scans with high accuracy.

ACHIEVEMENTS

- Published research paper: "Design and Implementation of Battery Management System for Electric Vehicles" (JETIR Journal).
- Presented academic work for the Tamil Nadu Innovation Council of Engineering.

LANGUAGES

English, Tamil, Hindi