

# ABHARNA K Data Analyst

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## SUMMARY

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Motivated Data Analyst skilled in transforming raw data into actionable insights. Proficient in Python, SQL, Excel, and Power BI, with hands-on experience in building analytical dashboards, and developing scalable ML-based solutions.

## EDUCATION

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Kumaraguru College of Technology, Coimbatore

Sep 2022 - May 2026

B.Tech. in Artificial Intelligence & Data Science, CGPA: 8.5

## SKILLS

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Python, SQL, Data Cleaning, Analytics, Statistical analysis, Data Visualization, Machine Learning Database: MySQL, MongoDB

Python: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn

Tools: Git, Excel, Power BI, Tableau, Figma,

## INTERNSHIP

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Research and Development Intern, Samsung PRISM

Feb 2025-Sep 2025

Developed an AI-driven framework using LLMs and Whisper to enhance Named Entity Recognition accuracy from speech data through prompt optimization and performance analysis.

## PROJECTS

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### Healthcare Claims Cost Analysis

Personal Project | SQL, Excel, Power BI

- Analysed 1,300+ healthcare claims using SQL and Excel to identify key cost drivers.
- Built interactive dashboards comparing costs by age, BMI, smoking status, and region.
- Found smokers incurred 4× higher costs (~\$32K vs \$8K) and obese middle-aged adults had the highest claim volume.

### Sales & Profit Analysis Dashboard

Personal Project | SQL, Excel, Power BI

- Cleaned and analysed 10K+ Superstore sales records using SQL and Excel, uncovering trends in sales, profit, and discount impact.
- Built Power BI dashboards to visualize KPIs, revealing that high discounts reduced profit, West region was most profitable, and Consumer segment drove most revenue.

### Bleeding Detection in Wireless Capsule Endoscopy Images

Personal Project | Python, TensorFlow, MobileNetV2, Deep Learning, HTML

- Developed a deep learning model using MobileNetV2 to classify bleeding vs. non-bleeding endoscopy frames, achieving 97% accuracy through transfer learning.
- Applied image preprocessing and regularization techniques to improve model performance and generalization across medical imaging data.

## PARTICIPATION & CERTIFICATION

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- Completed Data Analytics and Visualization Job Simulation
- Completed Advanced Data Analytics Certification Course by Deeplearning.ai
- Received Mahatma Gandhi Scholarship for academic excellence
- Participated in TANCAM Hackathon organized by Dassault Systems