

# RANJITH R

## Data Analyst

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### Summary

Data Analyst with expertise in SQL, Python, Excel, Tableau, and Power BI. Skilled in cleaning, analyzing, and visualizing data to uncover insights and support decision-making. Strong academic background in data science with exposure to machine learning, data preprocessing, and statistical analysis. Passionate about solving real-world problems through data-driven approaches.

### Skills

**Programming & Querying:** SQL, Python, C, C++, Arduino

**Data Visualization Tools:** MS Excel, Power BI, Tableau

**Analytical Abilities:** Data Cleaning, Exploratory Data Analysis (EDA), Insight Generation, Descriptive Statistics

### Experience

#### Deloitte – Data Analytics Virtual Job Simulation

May 2025

*Forage (Remote)*

*Tools Used: Excel, SQL*

- Analyzed datasets to identify trends and patterns supporting business decisions.
- Applied forensic technology concepts to practical case studies.

#### Accenture – Data Analytics and Visualization Virtual Job Simulation

May 2025

*Forage (Remote)*

*Tools Used: Excel, Power BI*

- Performed data cleaning, modeling, and visualization to address business problems.
- Developed dashboards and storytelling reports to present actionable insights.

#### AWS – Solutions Architecture Job Simulation

May 2025

*Forage (Remote)*

*Tools Used: AWS Cloud, Architecture Design*

- Designed a simple, scalable, and secure hosting architecture.
- Applied cloud architecture principles to real-world scenarios.

### Projects

#### IoT Fire Fighting Robot | *IoT, Sensors, Embedded Systems*

Jan 2024 – Mar 2024

- Developed an IoT-based robot capable of detecting and extinguishing fires using flame and temperature sensors.
- Integrated remote control functionality for manual operation in emergency scenarios.
- Enhanced fire safety response through automation and IoT-based monitoring.

#### Lung Cancer Prediction | *Python, Machine Learning, Scikit-learn*

Aug 2024 – Jan 2025

- Built a machine learning model to predict lung cancer based on patient medical data and symptoms.
- Performed data preprocessing, feature engineering, and applied classification algorithms (Logistic Regression, Random Forest).
- Achieved reliable accuracy and demonstrated potential for assisting in early diagnosis.

### Awards & Certifications

- **2nd Place – IoT Fire Fighting Robot Project (Apr 2024):** Secured 2nd place in the departmental project competition at VIT for developing an IoT-based fire detection and extinguishing robot.
- **Infosys Springboard – Database Management System (June 2025):** Completed training in database concepts, schema design, and SQL queries.
- **LearnQuest – Introduction to Python Scripting for DevOps (Feb 2023):** Completed foundational course on Python scripting concepts, authorized by Coursera.

### Education

#### M.Sc. Data Science

Expected Graduation: 2026

*Vellore Institute of Technology, Vellore*

*CGPA: 7.97 / 10*

#### B.Sc. Computer Science

Graduated: 2024

*Vellore Institute of Technology, Vellore*

*CGPA: 8.35 / 10*