

# Rakesh HC

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## Professional Summary

Detail-oriented Data Analyst with a strong foundation in Python, SQL, and statistical modeling, experienced in using Power BI and Excel to derive insights and drive business decisions. Skilled in cleaning, visualizing, and interpreting large datasets to solve complex problems. Passionate about combining exploratory data analysis and predictive modeling to uncover actionable trends. Seeking to leverage data science expertise to contribute to impactful analytics solutions.

## Skills

- **Programming Languages:** JavaScript (ES6+), Python, SQL
- **Data Analysis:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- **Statistical Methods:** Linear Regression, A/B Testing, Hypothesis Testing, Time Series Analysis
- **Visualization Tools:** Power BI, Tableau, Excel (Advanced)
- **Database Management:** MongoDB, MySQL, PostgreSQL

## Professional Experience

### JV Global Service Pvt. Ltd — Web Development Intern

 Hassan |  11/2022–12/2022

- Built a strong foundation in Python programming, focusing on its applications in data analysis and automation tasks.
- Gained proficiency in key data-centric libraries including **NumPy**, **Pandas**, **Matplotlib**, **Seaborn**, and an introduction to **TensorFlow** for basic machine learning concepts.
- Enhanced coding skills through structured problem-solving and achieved certifications on **HackerRank** for Python and data structures.


### Dyashin Technosoft — Data Analytics Intern

 Bangalore |  02/2025–05/2025

- Analyzed structured datasets using **Python (Pandas, NumPy)** and performed data cleaning, transformation, and wrangling for business insights.
- Executed **SQL queries** to retrieve, join, and filter large datasets for client reporting and business performance tracking.
- Conducted **Exploratory Data Analysis (EDA)** and applied basic **statistical methods** to identify trends, anomalies, and correlations.
- Created interactive data visualizations and dashboards using **Power BI** to communicate insights to stakeholders.
- Built frontend data reports using **React.js** to present analytics findings through web interfaces.

## Education

### Bachelor of Engineering in Computer Science

Malnad College of Engineering, Hassan —  2021–2025

### Pre-University

HKS Pre-University College, Hassan —  2019–2021

## Projects

### Green Mind: Smart Solution for Modern Farming

- Built a predictive analytics model using Random Forest Classifier with a training accuracy of 99.32%.
- Implemented a CNN-based leaf disease detection system achieving 98% accuracy for early diagnosis.
- Developed a fertilizer recommendation system based on soil and crop data, integrated through a React.js frontend.

### Canteen Management System

- Built a smart canteen solution using React.js and SQL with RFID-based user authentication.
- Designed a real-time dashboard for the client side using Highcharts for visualizing orders and inventory.

### AI Mock Interview

- Developed an AI-powered mock interview platform to simulate HR interviews and evaluate user responses.
- Built using Next.js and React for the frontend, with Drizzle ORM managing efficient database operations.
- Integrated Gemini AI API to generate dynamic interview questions and analyze user answers in real-time.

## Achievements

- Contributed to multiple successful academic and internship projects.
- Earned multiple certificates and badges on HackerRank by solving challenges in Python and SQL.
- Actively served as a Core Member of the Innovation Club, identifying real-world problems and leading solution-oriented tech initiatives through collaborative ideation and prototyping.

## Certifications

- **Introduction to Python Programming** – Basics of Python development
- **Power-BI** – Certification from Simplilearn
- **SQL Advance Developer** – Gold badge from HackerRank
- **Data Analytics Intern** – Certification from DS-Edify