

# Rakesh HC

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## Professional Summary

Dynamic professional skilled in Data Analytics and Full Stack Development with expertise in Python, SQL, and the MERN stack. Experienced in building scalable web applications, RESTful APIs, and responsive UIs using React.js, Node.js, and Express.js. Proficient in data cleaning, EDA, and visualization using Power BI and Excel to drive data-driven decisions. Strong foundation in database management with PostgreSQL and MongoDB. Adept at integrating analytics into software solutions for business impact. Seeking to contribute technical and analytical skills to innovative, cross-functional teams.

## Skills

- Programming Languages:** Python, Java, JavaScript, SQL
- Data Analytics & ML:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, EDA, Predictive Modeling
- Data Visualization Tools:** Power BI, Tableau, Excel (Advanced Features, Pivot Tables, Dashboards)
- Web Development:** React.js, Node.js, Express.js, HTML5, CSS3, Bootstrap, Tailwind
- Database Management:** MongoDB, MySQL, PostgreSQL
- Back-End & APIs:** RESTful APIs, Flask, Express.js, JSON, CRUD Operations

## Professional Experience

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

Hassan | 11/2022–12/2022

- Gained hands-on experience with content structuring and front-end presentation through HTML, CSS, and JavaScript.
- Developed Python-based automation scripts to extract and validate structured data from websites and online content.
- Practiced reviewing and formatting digital content to ensure alignment with usability and accessibility standards.
- Earned certifications from **HackerRank** for Python and Data Structures, emphasizing logical content flow and problem solving.

### Dyashin Technosoft — Data Analytics Intern

Bangalore | 02/2025–05/2025

- Worked with large datasets to clean, structure, and extract high-quality information using **Pandas** and **SQL**.
- Performed manual and programmatic quality checks on data outputs to ensure logical consistency and adherence to client KPIs.
- Created clear, meaningful visualizations in **Power BI** to communicate trends and actionable insights to stakeholders.
- Contributed to content-driven dashboards using **React.js**, ensuring content was structured, accessible, and accurate.
- Collaborated in an Agile environment to continuously refine content quality standards and review guidelines.

## Education

### Bachelor of Engineering in Computer Science

Malnad College of Engineering, Hassan — 2021–2025

CGPA: 8.1

## 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