

## Rehan Nurle

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### Professional Summary

Aspiring data scientist with a strong foundation in machine learning, data science, and Python programming. Skilled in data analysis, visualization, and model development. Passionate about leveraging technology to solve real-world problems, particularly in agriculture and data-driven decision-making.

### Skills

- Programming Languages: Python
- Machine Learning: scikit-learn, XGBoost
- Data Analysis & Visualization: Pandas, Matplotlib, Seaborn
- Database Management: SQLite with SQLAlchemy
- Web Development: Flask
- API Integration: OpenWeatherMap API
- Version Control: Git & GitHub
- Soft Skills: Analytical Thinking, Problem-Solving, Communication

### Education

- B.Sc. in Information Technology (Ongoing) | Aug 2022 – Present  
Vijayalakshmi Vishwanath Dalvie College
- HSC (12th Grade - Science) | Jul 2021 – Mar 2022  
Kharepatan College of Arts, Science, and Commerce
- SSC (10th Grade) | Jun 2019 – Mar 2020 Nadgive English Medium School

### Certifications & Achievements

- IBM Data Science Professional Certification (In Progress)
- Accenture North America Data Analytics and Visualization Job Simulation (Forage, July 2024)
- - Cleaned, modeled, and analyzed 7 datasets to uncover content trends.

- - Delivered insights via PowerPoint and video presentations for strategic decisionmaking.

## Projects

### Farmsphere – Agricultural Assistant Web Application

- Developed an end-to-end agriculture assistant system using Flask, SQLite, and machine learning models.
- Implemented crop recommendation, rainfall prediction, and yield estimation using scikitlearn and XGBoost.
- Integrated real-time weather data via the OpenWeatherMap API.
- Designed a responsive and intuitive user interface to enhance user experience.
- Implemented Flask-Login for secure authentication and caching to optimize API requests.

### Additional Information

- Languages: English, Hindi (Optional)