

VIVEKANANDA GIRI

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EDUCATION

Odisha University of Agriculture and Technology

Master in Computer Application

CGPA: 8.15

Bhubaneswar, Odisha

Post Graduation, February 2025

Utkal University, Vanivihar

Bachelor in Chemistry

CGPA: 8.32

Bhubaneswar, Odisha

Graduation, October 2021

PROFILE SUMMARY

Proficient in Core **Java and J2EE** (Java, Java Beans, Java Applets, Java Servlets) and **web-based languages such as HTML, CSS, JavaScript, React, Bootstrap**, Frameworks like **Python Django** and with a strong understanding of **OOP concepts** such as Inheritance and Polymorphism. Expertise in **SQL** and **Oracle**, including writing complex queries using **Joins, Window functions, Constraints, Views, Indexes, Stored Procedures**, and **optimizing queries for performance**. Experienced in **Windows** and **Linux** environments also developing **CRUD operations** and **RESTful APIs** and **Agile Methodology** Frameworks. Proficient in **Data Structure and algorithms (DSA)** like **shorting, searching, and dynamic Programming**, with a focus on transforming data into actionable insights and developing software application. Also Have knowledge in Cloud deployment tools such as **AWS**.

EXPERIENCE

Led the College graphics designing team, organizing, and managing various design projects and events, enhanced the team's creative output, and achieved the Best Volunteer Award.

PROJECTS

E-Agriculture Management System

June 2024- November 2024

Tools and Technology: Django, Machine Learning, Chart.js, HTML, CSS, JavaScript, Twilio, SQL

A comprehensive system that leverages AI to provide personalized soil health analysis and crop recommendations.

Responsibilities:

- Developed the front-end using **HTML, CSS (Bootstrap)** and **JavaScript**, creating a responsive and intuitive user interface.
- Implemented user authentication and authorization using **Twilio**, ensuring secure access to the application with OTP verification.
- Managed the backend using **Django**, handling data storage, retrieval, and user management efficiently.
- Implemented Machine Learning model such as **Random Forest Classifier** for crop prediction based on soil test data, improving decision-making for farmers.

Exploratory Data Analysis of Humanitarian Aid to Underdeveloped Countries - (Kaggle Dataset)

Tools and Technology: Jupyter Notebook, Python

September 2022 - November 2022

Choosing the countries that are in direst need of aid.

Responsibilities:

- Applied clustering techniques (hierarchical clustering) and **PCA** to analyze humanitarian aid data for underdeveloped countries.
- Performed data cleaning, EDA, and outlier treatment to identify key factors influencing aid distribution and optimize resource allocation.

ACADEMIC ACHEIVEMENTS AND CERTIFICATION

- Earned a certification in **Data Science and Artificial Intelligence** from **UpGrad**, demonstrating proficiency in Data Analysis and Visualization. **February 2022-November 2022**

SKILLS

Programming: Java, Python, JavaScript, HTML/CSS, SQL, MySQL, C, C#, React

Tools: Jupyter Notebook, VS Code, Netbeans, PyCharm, Bootstrap, Django Framework, .NET, Tableau, Power BI, Postman API

Others: Data Science, Data Analytics, Data Visualization, Machine Learning, Artificial Intelligence, Restful API