

Gaurisha Agarwal

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About

Motivated and detail-oriented Computer Science student with a strong foundation in machine learning, data analysis, software development, and web development. Proficient in Python and C++ for data analysis, predictive modelling, and application development. Passionate about creating intelligent and scalable software. Seeking opportunities to apply my analytical and programming skills in a challenging technical role.

Education

AKTU University, Btech in Computer Science Sept 2022 – June 2026

- CGPA: 8.5(till 4 semester)

Achievements

- 5 ★ Python, 4 ★ SQL, 3 ★ C++ on Hackerrank <https://www.hackerrank.com/profile/agarwalgaurisha1>

Patent

A Multi Unmanned Aerial Vehicle(UAV) Semi-Autonomous Operating Platform for Topology selection and Aerial Threat Prevention Jan 2025

Harsh Agarwal, Rishab Verma, **Gaurisha Agarwal**, Asbah Rehman

Application Number: 202511001202

Certificates

API Beginner Learning Path-Postman(2024)

- Skills: Postman API

Oracle cloud infrastructure 2023 AI certified foundation associate-Oracle(2024)

- Skills : Generative AI, Machine Learning ,LLM, Deep Learning

Introduction to Data Science-Infosys(2024)

- Skills: Data Science ,Machine Learning

Introduction to Generative AI-Google Cloud(2023))

- Tools Used: Generative AI

Introduction to Large Language Model-Google Cloud(2024))

- Tools Used: LLM

Data Analytics Essential –Cisco Networking Academy(2025)

- Skills : Tableau, SQL, Excel

Projects

Spell Checker github.com/agarwalgaurisha/spell_checker

- Developed a spell checker using python and regex where it uses basic algorithm of spell checker(insert, delete, swap, replace) to suggest the correct spelling of the word entered by user
- Tools Used: Python, Tkinter

GDP_Growth_analysis

github.com/agarwalgaurisha/gdp_analysis1

- Done GDP growth analysis using python and performed all basic operation of data analytics on the data.
- Tools Used: Python, Plotly, Pandas

Heart Failure EDA

github.com/agarwalgaurisha/Heartfailure_eda

- Done EDA(Exploratory Data Analysis) on the data taken from kaggle and done univariate and bivariate analysis on it.
- Tools Used: Python, Numpy, Pandas, Seaborn

Diabetes Prediction

github.com/agarwalgaurisha/diabetes_prediction

- Done prediction of diabetes data using Logistic Regression a supervised learning algorithm of machine learning.
- Tools Used : Machine Learning(Logistic Regression)

Malaria Cell Detection

github.com/agarwalgaurisha/malaria_cell_detection_cnn

- Done malaria cell detection using CNN(Convolutional Neural Network)
- Tools Used: Tensorflow, Numpy, Pandas, CNN

Skills

Languages: C++, C, Core Java, Python

Web Technology: HTML, CSS, Javascript

Machine Learning and Data Analytics: Numpy, Pandas, ScikitLearn, Power BI

Other Technologies: Git, SQL, Excel