



# Gaurisha Agarwal

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## About

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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

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

- CGPA: 8.5(till 4 semester)

## Achievements

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

## Patent

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**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

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**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

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**Spell Checker**

[github.com/agarwalgaurisha/spell\\_checker](https://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](https://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](https://github.com/agarwalgaurisha/Heartfailure_eda)

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

### **Diabetes Prediction**

[github.com/agarwalgaurisha/diabetes\\_prediction](https://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](https://github.com/agarwalgaurisha/malaria_cell_detection_cnn)

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

### **Adex- an Ecommerce Website**

- Build a business agency website using HTML, CSS,JS
- Tools Used: HTML, CSS, JS

[website link](#)

### **Crafty –Agency Website**

- Build a responsive agency website which is responsive on all kind of devices
- Tools Used : HTML,CSS,JS

[website link](#)

## **Skills**

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**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