

RAGHAV GOEL

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https://raghavgoel168.github.io/MyPortfolio/

PROFESSIONAL SUMMARY

Aspiring Data Analyst & Machine Learning Engineer with expertise in AI-driven solutions for healthcare and business analytics. Experienced in Python, SQL, and ML algorithms, with a strong foundation in data-driven decision-making. Passionate about bridging the gap between AI and real-world applications through research, hackathons, and hands-on projects.

TECHNICAL SKILLS

- Languages:** Python, C++ , SQL, JavaScript, HTML, CSS
- Databases:** MySQL, MongoDB, Firebase
- Tools/Frameworks:** Power BI, Git & GitHub, Flask, Figma, Excel, NLTK, Pandas, NumPy, Scikit-Learn
- Technologies:** Data Analysis, Machine Learning, Computer Vision, Flutter, NLP, Web Scraping, UI/UX Design

PROJECTS AND EXPERIENCE

NutriPlant – Plant Disease Detection App (Flutter) (GitHub: <https://github.com/raghavgoel168/NutriPlant>)

- Developed a Flutter app for plant disease detection, achieving 96.6% training accuracy using CNNs.
- Integrated camera functionality for real-time disease analysis and detection.
- Trained on 87K RGB crop leaf images across 38 classes.

EDUAL: Enhancing Personalized Learning through AI

- Built an AI-based learning platform with a smart tutor for streamlined learning and concept explanation.
- Programmed 3 ML models to intelligently recommend content based on user preferences and selections.

Power BI Project on Zomato's Data

- Created a Power BI dashboard to visualize restaurant ratings, pricing, and location trends using data from 9,500+ restaurants.
- Used Power Query and DAX for data cleaning, transformation, and generating insights.

Contributor, GirlsScript Summer of Code

[May, 2024] - [August, 2024]

- Contributed to the "Hedging-of-Financial-Derivatives" project,
- Worked on Netflix stock prediction using a regression algorithm.

KAAYACLIQUE: AI-Powered Skincare Platform (GitHub: <https://github.com/raghavgoel168/KaayaClique>)

- Implemented an AI-powered skincare recommendation platform for personalized skincare routines.
- Contributions: Designed Flask App, and trained ML models for personalized recommendations.

Heart Disease Prediction: 89% Accuracy (GitHub: https://github.com/raghavgoel168/Heart_Disease_Prediction)

- Optimized a heart disease prediction model using multiple Machine Learning algorithms achieving 89% accuracy on a 270-patient dataset.

HACKATHONS

SMART BU Hackathon 2024

[September, 2024]

- Secured 54th place out of ~400 teams for SMART INDIA HACKATHON 2024

PRASUNETHON Hackathon 2024

[June, 2024]

- Contributed 48 hours to innovative ideas and crafted an AI-based personalized learning app with an integrated AI tutor.

EY Techathon 4.0

[November, 2023]

- Led integration of domain knowledge and deployment of AI models in revolutionizing agricultural lending.

RESEARCH AND PUBLICATIONS

Computational Intelligence Approaches for Heart Disease Prediction: A Comparative Evaluation

- Co-authored research on various ML algorithms for heart disease prediction, analyzing their performance.
- Enhanced prediction consistency using ensemble techniques; published in a reputed journal.
- Published in Biomedical & Pharmacology Journal, December 2024.
- DOI:** <https://dx.doi.org/10.13005/bpj/3031>

EDUCATION

B.TECH (CSE)

[2022-2026]

BENNETT UNIVERSITY, GREATER NOIDA
CGPA: 8.95

Class XII

[2022]

R.K. Educational School, SIKANDRABAD, UP
Percentage: 93.2%

Class X

[2020]

R.K. Educational School, SIKANDRABAD, UP
Percentage: 94%

CERTIFICATIONS

Networking Essentials

Cisco Networking Academy,

[July, 2024]

Investment Banking Job Simulation

J.P. Morgan,

[May, 2024]

IBM Machine Learning

Coursera,

[February, 2024]

Google Data Analytics

Coursera,

[October, 2023]

- Comprises 8 courses

HOBBIES - READING | TRAVELING | DRAWING | FITNESS & SPORTS (e.g., BADMINTON)