RAGHAV GOEL

Khatriwada, Near Shagun Marriage Home | Sikandrabad, Dist. - Bulandshahr, UP, 203205
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https://raghavgoel168.github.io/MyPortfolio/

TECHNICAL SKILLS

Languages: Python, C++ , SQL
Databases: MySQL, MongoDB, Firebase
Tools: Power BI, Git & GitHub, Flask, Figma, Excel
Technologies: Machine Learning, Flutter, NLP, Web Scraping, Business & Data Analysis, UI/UX Designing

PROJECTS AND EXPERIENCE

NutriPlant – Plant Disease Detection App (Flutter) *(GitHub: https://github.com/raghavgoel168/NutriPlant)*
- Developed a Flutter app for leaf disease detection, achieving 96.6% training accuracy with CNNs.
- Integrated camera functionality for real-time disease analysis and detection.
- Dataset: 87K RGB images of crop leaves, 38 classes, 80/20 training-validation split.

EDUAI: Enhancing Personalized Learning through AI
- Built a Personalized AI-based learning platform for streamlined smart learning, integrating an AI tutor to facilitate comprehensive question-solving and concept explanation.
- Programmed 3 ML models to intelligently recommend content based on user preferences and selections.
- Tech Used: SVD, Machine Learning, Recommender Systems

Power BI Project on Zomato's Data
- Created a Power BI dashboard to visualize restaurant ratings, pricing, and location trends.
- 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.
- Tech Used: HTML, CSS, JS, Python, Flask, MongoDB, ML (RandomForestClassifier)
- 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 ML algorithms (Logistic Regression, Decision Trees, Random Forest, SVM, KNN, Naïve Bayes, ANN, RNN), 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.

Void Hacks 5.0 **[November, 2023]**
- Initiated an Online EVM Platform using Blockchain technology, showcasing blockchain's potential in redefining voting systems.

RESEARCH AND PUBLICATIONS

Computational Intelligence Approaches for Heart Disease Prediction: A Comparative Evaluation
- Co-authored research on various ML algorithms for heart disease prediction.
- Enhanced prediction consistency using ensemble techniques; published in a reputed journal.

Publication: https://biomedpharmajournal.org/vol17no4/computational-intelligence-approaches-for-heart-disease-prediction-a-comparative-evaluation/

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)