

RAGHAV GOEL

Khatriwada, Near Shagun Marriage Home | Sikandrabad, Dist. - Bulandshahr, UP, 203205

 8279819538  raghavgoel168@gmail.com  www.linkedin.com/in/raghavgoel29/  Portfolio

PROFESSIONAL SUMMARY

Aspiring Software, Data & ML Engineer with strong foundations in full-stack development, data analysis, cloud deployment, and real-world AI solutions across healthcare, education, and consumer domains. Skilled in Python, SQL, data structures, machine learning algorithms, and deploying scalable software systems. Passionate about applying AI to solve real-world problems through research, hackathons, and impactful projects.

TECHNICAL SKILLS

- Languages:** Python, C++ , Java, SQL, JavaScript, HTML, CSS
 - Core Concepts:** Data Structures & Algorithms, OOP, REST APIs
 - Tools:** Power BI, Excel, Tableau, Git, GitHub, Figma, Postman, WordPress, MLflow
 - Data & ML Libraries:** Pandas, NumPy, Scikit-Learn, NLTK
- Frameworks & Technologies:** Flask, Flutter, CI/CD, Docker, React Native, AWS
 - Databases:** MySQL, MongoDB, Firebase
 - Specializations:** Data Analysis, Machine Learning, MLOps, Computer Vision, NLP, Web Scraping

PROJECTS AND EXPERIENCE

- NutriPlant – Plant Disease Detection App (Flutter)** (GitHub: 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.
- Chest Cancer Classification (MLflow, DVC, AWS)** (GitHub: github.com/raghavgoel168/Chest_Cancer_Classification)
 - Built an end-to-end ML pipeline using CNNs for chest cancer detection.
 - Tracked experiments with MLflow and versioned datasets/models using DVC.
 - Deployed the solution using Docker containers on AWS (EC2 & ECR) with GitHub Actions for CI/CD.
- EDUAI: 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: github.com/raghavgoel168/KagyaClique)
 - Implemented an AI-powered skincare recommendation platform for personalized skincare routines.
 - Contributions: Designed Flask App, and trained ML models for personalized recommendations.

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

- Fundamentals of Deep Learning** [April, 2025]
NVIDIA
- Networking Essentials** [July, 2024]
Cisco Networking Academy,
- Investment Banking Job Simulation** [May, 2024]
J.P. Morgan,
- IBM Machine Learning** [February, 2024]
Coursera,
- Google Data Analytics** [October, 2023]
Coursera,

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