

Aarav Gogia

Noida, Uttar Pradesh

+91-9289286084 • aaravgogia10d@gmail.com • linkedin.com/in/aarav-gogia •
github.com/aaravgogia

Summary

Hi there! My name is Aarav Gogia, and I am a highly skilled software developer based in Noida, Uttar Pradesh. With a strong background in Python, C++, Java, and Data Structures and Algorithms, I have a passion for creating efficient and user-friendly solutions. My journey in the tech industry began with my love for coding and problem-solving. Over the years, I have honed my skills in various programming languages and developed expertise in Artificial Intelligence, Machine Learning, and Cybersecurity, with a focus on building innovative solutions like brain tumor detection systems using MRI models.

Education

Class 12th, Science Stream

Vishwa Bharti Public School

Noida, Uttar Pradesh

2021 - 2023

- Relevant Coursework: Physics, Chemistry, Mathematics, Computer Science

Class 10th

Vishwa Bharti Public School

Noida, Uttar Pradesh

2019 - 2021

- Studied core subjects including Mathematics, Science, and Computer Applications

Experience

Cybersecurity Intern

RedUsers

Noida, Uttar Pradesh

2024 - Present

- Assisted in identifying and mitigating security vulnerabilities in web applications and network systems.
- Conducted penetration testing and analyzed system logs to enhance cybersecurity measures.
- Collaborated with the team to implement secure coding practices and improve system resilience.
- Gained hands-on experience with tools like Wireshark, Metasploit, and Burp Suite for security assessments.

Artificial Intelligence and Machine Learning Project Developer **Noida, Uttar Pradesh**

Independent Project/University Project

2024 - Present

- Developed a brain tumor detection system using MRI models, leveraging Machine Learning techniques to improve diagnostic accuracy.
- Implemented and trained machine learning models using Python, including data preprocessing, model selection, and evaluation.

- Utilized libraries such as TensorFlow, Keras, and scikit-learn to build and optimize deep learning models for medical imaging.
- Conducted experiments to compare the performance of different learning models, ensuring robust and reliable results.

Data Structures and Algorithms Learner
Self-Study

Noida, Uttar Pradesh
2024 - Present

- Mastered core Data Structures and Algorithms concepts using C++ to solve complex computational problems.
- Implemented algorithms such as sorting, searching, graph traversal, and dynamic programming in C++.
- Practiced problem-solving on platforms like LeetCode, HackerRank, and Codeforces to enhance coding efficiency.

Projects

Brain Tumor Detection System • Python, TensorFlow, Keras, scikit-learn
Independent/University Project *2024 - 2024*

- Designed and developed a machine learning-based system to detect brain tumors from MRI scans.
- Preprocessed MRI datasets and applied convolutional neural networks (CNNs) to classify tumor presence with high accuracy.
- Integrated data visualization techniques using Matplotlib to analyze model performance and results.
- Documented the project outcomes in a detailed report, highlighting the methodology and results.

Technical Skills

- **Languages:** Python, Java, C++, SQL
- **Frameworks and Libraries:** TensorFlow, Keras, scikit-learn, pandas, NumPy, Matplotlib
- **Developer Tools:** Git, VS Code, Jupyter Notebook, PyCharm, IntelliJ, Wireshark, Metasploit, Burp Suite
- **Concepts:** Data Structures and Algorithms, Machine Learning, Deep Learning, Artificial Intelligence, Cybersecurity