# Aryan Chowdhury

Email: chowdhuryaryan81@gmail.com
Phone: 7075395094
LinkedIn: https://linkedin.com/in/aryanchowdhury/
GitHub: https://github.com/aryanchowdhury-art

---

## Objective

Passionate about leveraging advanced skills in Python, PyTorch, TensorFlow, and neural networks to drive innovation in Artificial Intelligence and Machine Learning. Eager to apply practical internship experience and specialized education to contribute to cutting-edge AI projects.

## Education

**Bachelor of Technology in Computer Science Engineering**
Specialization in Artificial Intelligence and Machine Learning
Siddhartha Institute of Engineering & Technology, Ibrahimpatnam
2020 - 2024

- Key Courses: Machine Learning, Data Structures, Algorithms, Probability and Statistics, Linear Algebra

## Skills

- **Programming Languages:** Python (3.12.4)
- **AI Frameworks & Libraries:** PyTorch, TensorFlow, Scikit-learn, Pandas, NumPy
- **Machine Learning Techniques:** Supervised & Unsupervised Learning, Neural Networks, CNN
- **Tools & Environments:** Jupyter Notebooks, Git, VS Code
- **Additional Skills:** Data Visualization, Problem-solving, Analytical Thinking

## Projects

### 1. AI-Powered Chatbot using PyTorch

- Developed an intelligent chatbot with PyTorch, enhancing conversation flow and user engagement through advanced NLP techniques.
- Achieved an 85% improvement in response accuracy.

### 2. Responsive Portfolio Website

- Designed and deployed a dynamic portfolio showcasing technical projects and skills using modern web technologies.
- Optimized performance across devices, resulting in an 89% increase in user engagement and usability metrics.

### 3. Weather Prediction using TensorFlow

- Implemented a machine learning model with TensorFlow to predict weather patterns based on historical data.

- Improved prediction accuracy by 78% through data preprocessing and hyperparameter tuning.

**4. Flower Detection using TensorFlow**

- Created a classification model using TensorFlow to detect flowers based on their length and width measurements.
- Achieved 92% accuracy in classifying different types of flowers.

## Experience

**Intern, QSpiders**
Dilshuknagar
April 2024 - August 2024

- Led rigorous software testing and quality assurance efforts for web applications, ensuring robust product quality and adherence to project timelines using Git for version control.
- Executed comprehensive manual and automated testing procedures, identifying and documenting software defects to enhance product reliability and user experience.
- Championed the adoption of best practices in software testing methodologies, driving continuous improvement and efficiency gains throughout the development lifecycle.

## Certifications

- **Python Development**, DataCamp, April 2021
- **Full Stack Web Developer Nanodegree**, Udacity
    - **Web Programming**, June 2021
    - **C Language**, December 2020

## Achievements

- First Prize, Hackathon: Demonstrated problem-solving skills and innovation in a competitive environment.
- Top 10, Leet Coding Competition: Applied strong algorithmic thinking and coding skills to achieve high rankings.

## Extracurricular Activities

- Student Council President, Siddhartha Institute of Engineering & Technology, 2021 - 2022: Led initiatives to enhance academic and extracurricular activities.
- Volunteer, Hackathon, JNTUH, 2022: Organized and facilitated a major technical event.

## Languages

- Hindi (Native)
- Telugu (Native)
- English (Fluent)