

Atul Arya

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EDUCATION

Bachelor of Science (Hons.) in Computer Science

Expected Graduation: 2026

Aryabhatta College, University of Delhi

Relevant Coursework: Artificial Intelligence, Machine Learning, Parallel Programming, Digital Image Processing, Research Methodology

TECHNICAL SKILLS

- **Programming:** Python, C++, MATLAB/Octave
- **Frameworks & Tools:** Django, TensorFlow, Keras, OpenCV, NumPy, Pandas, Matplotlib
- **Web Development:** HTML, CSS, JavaScript, Bootstrap
- **Other Tools:** Git-github, Blender 3D, illustration-inkSpace

AREAS OF INTEREST

Artificial Intelligence, Machine Learning, Computer Vision, Digital Image Processing, Research and Data Analysis, Software Development

ACADEMIC PROJECTS

Skin Disease Detection and Drug Recommendation System

Python, TensorFlow, Django

- Built a CNN-based system to detect skin diseases from facial images and recommend suitable drugs.
- Integrated computer vision and recommendation algorithms using OpenCV and TensorFlow.

Image Processing in Octave

Octave, MATLAB

- Implemented image arithmetic operations - understand image structure and basic image manipulation.

PG Search web app

Django, SQLite, HTML/CSS

- Developed a platform for easy search of PG or stays, at affordable price, keeping a neat and clean interface.

RESEARCH EXPERIENCE

- Preparing a research paper on a **drug recommendation system** using machine learning for healthcare improvement.
- Conducted dataset exploration and literature review for disease-drug correlation studies.

ACHIEVEMENTS & INVOLVEMENT

- Completed multiple AI and image processing projects through self-learning.
- Strong foundation in both theoretical and applied computer science concepts.
- Actively exploring startup ecosystems and innovation-driven technologies.

SOFT SKILLS

Problem Solving, Analytical Thinking, Creativity, Team Collaboration, Communication, Adaptability

ADDITIONAL INTERESTS

3D Design and Animation (Blender), Exploring AI Startups, Mentoring Peers in Coding and AI