Mrigank Singh

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EDUCATION

Noida Institute of Engineering and Technology — Greater Noida, UP
Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence) — *Nov. 22 – Present*
- **CGPA: 7.69**

Air Force Golden Jubilee Institute — Delhi
Class XII — *2020 – 2021*
- Percentage: 82.2%

Air Force Golden Jubilee Institute — Delhi
Class X — *2018 – 2019*
- Percentage: 85%

PROJECTS

AI-Assisted Medical Image Analysis System

- **Created an AI-driven Medical Image Analysis System** utilizing Flask and TensorFlow, which facilitates the automated detection of pneumonia in chest X-rays with remarkable precision.
- **Crafted an intuitive web interface** that allows healthcare professionals to upload images and obtain immediate diagnostic feedback, enhancing efficiency.
- Incorporated **EfficientNet for deep learning classification** and refined image preprocessing using OpenCV and NumPy to boost performance and accuracy.
- **Deployed a cloud-based solution** to ensure high availability and scalability, enabling access to AI-powered diagnostics from various locations.

Crypto Tax Calculator

- This project helps users track their cryptocurrency trades and automatically calculates capital gains or losses using the **FIFO (First-In-First-Out) method.**
- It fetches **real-time INR prices from the CoinGecko API** to ensure accurate tax reporting based on current or historical market data.
- Users can add, edit, and delete trades, view real-time summaries, and export their tax reports in **CSV or TXT format** through a clean, responsive React-based interface.

TECHNICAL SKILLS

Languages: **Java**, **Python**, C, JavaScript, HTML/CSS
Developer Tools/Technologies: **Git**, Google Colab Platform, VS Code, PyCharm, Node.js, Express.js, React.js, MongoDB
Libraries: **NumPy**, **Pandas**, **Matplotlib**, **TensorFlow**, **SciPy**, **scikit-learn**
Soft Skills: **Team Collaboration**, **Effective Communication**, **Time Management**

CERTIFICATES

Introduction to Cyber Security — 12 May, 2025
Cisco

JavaScript Essentials — April, 2025
Infosys SpringBoard

Deep Learning for Developers — 7 September, 2024
Infosys SpringBoard