RATNESH DUBEY

m24csa027@iitj.ac.in, blazerd18@gmail.com | 7000054248 | Gwalior (Madhya Pradesh)

linkedin.com/in/ratnesh-dubey-4640a3144 | github.com/CODENEON

Profile

Dynamic and dedicated Software Engineer with nearly 3 years of experience in development, now advancing expertise with a Master's in Artificial Intelligence from IIT Jodhpur. Passionate about leveraging AI to solve real-world problems, excel in AI, Data structures, Algorithms, and machine learning. Driven by curiosity and a relentless pursuit of innovation, aiming to bridge the gap between technology and user needs.

Skills

- Linear Algebra
- Machine Learning
- Deep Learning
- Data Structure and Algorithms

Technologies

Languages: Python, C++, C, SQL, HTML, CSS, typescript

Technologies: GitHub, Spark, PyTorch, Tensorflow

Projects

Handwritten Digit Recognition (Neural Network Implementation from Scratch)

- **Description**: Created a deep learning model using convolutional neural networks (CNNs) to recognize handwritten digits from the MNIST dataset.
- **Technologies**: Python, TensorFlow, Sklearn.

Facial Recognition System

- **Description**: Developed a facial recognition system using Principal Component Analysis (PCA) to detect and verify faces.
- **Technologies**: OpenCV, Flask, Python.

Past Experience

Software Engineer, Decos Software Development, Pune   2021 – 2024

- Developed a modular, single-page web application in Angular that incorporated responsive design principles.
- Utilized HTML, CSS, and JavaScript to create a dynamic, interactive user interface that improved the user experience.
- Integrated third-party APIs to provide additional functionality and improve user experience.

Education

IIT JODHPUR, Mtech in Artificial Intelligence   2024 – 2026

- GPA: 9.07/10 (currently)
- **Coursework:** Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, Linear Algebra, ...

UIET CHANDIGARH, BE in Information Technology   2017 – 2021

- GPA: 8.28/10
- **Coursework:** Data Structures, Algorithms, Python, SQL, Computer Network ...