

RATNESH DUBEY

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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

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

Facial Recognition System

- **Description:** Developed a facial recognition system using Principal Component Analysis (PCA) to detect and verify faces. Integrated it into a web application for user authentication.
- **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 ...