TUSHAAM AGRAWAL

Student
Researcher
Coder

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ABOUT ME

Extremely enthusiastic student with immense passion for deep learning and AI with constant progression In the domain. I love building and innovating new things that can potentially have a great impact on the society as well as for my career.

PROJECTS

1) Pneumonia Detection from X-Ray Images - Developed a CNN model for pneumonia diagnosis

2) Edema Detection in Medical Imaging - Applied deep learning for edema classification

3) Desktop Clock with Weather Display - Built a Python- based smart desktop application

4) Worked on classification of skin lesion dataset and applied deep learning models such as ResNet50, VGG16, VGG19, LeNet, AlexNet, GoogleNet, ViT, Swin transformer, BVIT, HVT to achieve overall accuracy of 99% for all models with 5 fold cross validation.

EDUCATION

Undergraduation:

B.Tech(Honours) CSE with IoT and IS (expected 2026)

Manipal University Jaipur

High Schooling:

10th Grade: 77.2%

12th Grade: 82.2%

LANGUAGE

English

Hindi

TECHNICAL SKILLS

- Python programming
- Data structures and algorithms
- Machine Learning
- Deep Learning
- Object oriented programming
- SQL

Soft Skills

- Team Management
- Project Management
- Strong verbal and written communication
- Effective Time and pressure management

COURSES UNDERTAKEN:

1) Introduction to Python by Coursera project network

2) Supervised Machine Learning: Regression and Classification by Stanford and DeepLearning.AI

3) Exploratory Data Analysis for Machine Learning by IBM

4) SQL: A Practical Introduction for Querying Databases by IBM

5) HTML, CSS, and Javascript for Web Developers by John Hopkins university

6) Foundations of Secure IoT Architecture by LearnQuest

7) Introduction to Microprocessors by Arm

8) Microcontroller and Industrial Applications by L&T Edutech

9) Fundamentals of Network Communication by University of Colorado

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INTERESTS :

1) AI for Medical Research

2) Machine Learning and Optimization

3) Space Technology and research

4) Internet of Things and integration with AI for automation

5) Deep Learning for Healthcare

6) Natural Language Processing

7) Generative AI