Tushaam Agrawal

Student Researcher Coder

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Jaipur, India

Tushaam-linkedin

Tushaam-github

SUMMARY

Extremely enthusiastic student with immense passion for deep learning and Al 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.

Professional Experience

Internship, *qsarthi* 2025 – present
Builiding, testing, optimizing with Deep Learning and AI models for educational content enhancement Jaipur, India

EDUCATION

B.Tech(Honours) - CSE with IoT and IS, *Manipal University Jaipur* 2026 – Current
CGPA: 8.43
10th Grade CBSE: 77.2%
12th Grade CBSE: 82.2%

SKILLS

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

Languages Known
English, Hindi

INTERESTS

- Al for Medical Research, - Machine Learning and Optimization, - Space Technology and research, - Internet of Things and integration with Al for automation, - Deep Learning for Healthcare, - Natural Language Processing, - Generative Al

COURSES UNDERTAKEN

- Introduction to Python, *by Coursera project network*

- Supervised Machine Learning: Regression and Classification, *by Stanford and DeepLearning.Al*

- Exploratory Data Analysis for Machine Learning, *by IBM*

- SQL: A Practical Introduction for Querying Databases, *by IBM*

- HTML, CSS, and javascript for Web Developers, *by john Hopkins university*

- Foundations of Secure IoT Architecture, *by LearnQuest*

- Introduction to Microprocessors, *by Arm*

- Microcontroller and Industrial Applications, *by L&T Edutech*

- Fundamentals of Network Communication, *by University of Colorado*

- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization, *by DeepLearning.Al*

- Cryptography, *by University of Maryland*

ACADEMIC PROJECTS

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

Edema Detection in Medical Imaging
Applied deep learning for edema classification

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

Skin Lesion Classification
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.