

Suchit Sharma

Bachelor of Technology, CSE (Data Science Specialization)
Bennett University, Greater Noida

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Experience

• Backend Developer Intern

Jun 2024 - Aug 2024

Novus Insights

On Site

- Real-Time Chat Application: Designed and developed a real-time chat application using Django REST framework and Streamlit.
- Executive Project Dashboard: Created a project dashboard for executives to monitor project performance and optimize workforce allocation.
- Trained on Django REST framework and assisted the team in developing APIs for ongoing projects, contributing to seamless integration and functionality.

Projects

• SignSetu - Indian Sign Language Detection

GitHub

Python, Mediapipe, OpenCV

- Engineered a software that helps deaf and mute children to practice hand gestures and learn alphabets.
- Manually created and augmented data to ensure utmost accuracy for each alphabet. The data consists of 400 images for each alphabet.
- Employed machine learning models for accurate gesture classification and seamless ISL-to-text conversion, could potentially support approximately 8 million deaf children.

• DermDetect -Preliminary Skin Disease Detection

GitHub

Python, Tensorflow, OpenCV

- Developed a website for DermDetect that allows users to upload images for preliminary skin disease identification, achieving an impressive 97% accuracy.
- Provided users with reliable results and fostered accessible healthcare solutions.

• ChatApp: AI-Integrated Chat and Mail System

GitHub

Python, Django, Streamlit, Llama 3.2

- Integrated AI-powered email composition, real-time chat, and mail management using Django, Python, and Streamlit for improved team collaboration.
- Implemented AI-driven email generation using Llama 3.2, enabling users to compose emails with prompts, enhancing communication efficiency.

Education

• Bachelor of Technology in Computer Science and Engineering

2022-26

Bennett University, Greater Noida

CGPA: 8.70

• Shalom Hills International School

2020-2022

Grade XII: 90%, Grade X: 91%

Technical Skills

Languages: Python, C++

Framework: Django

Databases: PostgreSQL, MySQL

AI/ML: TensorFlow, Panda, NumPy, OpenCV

Leadership

• Research Head - Computer Society of India,

Led a 1000+ participant hackathon and mentored over 10 junior researchers.

Sep 2023 - May 2024

• Research Member - Artificial Intelligence Society,

Mentored and assisted junior members. Actively participated in two research hackathons.

Sep 2023 - May 2024

Achievements & Publications

Awards: 1st position in SIH 2023 (University round), placed 2nd in ACM research hackathon.

Publications:

- *UCD Net: Dilated Convolution-Enhanced Upsampling Fusion for Advanced Lung Disease Classification*

Under Review:

- *Brain Tumor Detection Using DeiT-Based Vision Transformer*
- *Multimodal Emotion Recognition: A Review and Comparative Analysis of LSTM and Attention-Based Fusion Models*