Tushar Swarnkar

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EDUCATION

Bennett University   Sep 2022-June 2026
BTech Computer Science   *Current CGPA: 7.8*

SKILLS

Frontend: HTML, CSS, JavaScript (React), Tailwindcss, Streamlit, Flutter
Backend :MongoDB, MySQL
Machine Learning: Scikit-learn, TensorFlow, Keras, OpenCV
Deep Learning: CNN, GenAI
Programming: C++, Python

PROJECTS

AgriTech | *HTML, CSS, React, CNN, Scikit-learn, TensorFlow, Keras*   Feb 2024-Mar 2024

∗ Developed an AgriTech Web Platform with crop prediction, yield estimation, and disease analysis using Machine Learning.
∗ Learned about CNN and TensorFlow

Captionify | *CNN, LSTM, Steamlit*   May 2023-Aug 2023

∗ Developed an Image-to-Text conversion model using CNN and LSTM to generate accurate textual captions for images.
∗ This deep learning project leverages Convolutional Neural Networks (CNN) for feature extraction and Long Short-Term Memory (LSTM) networks for sequence generation, enabling automated image captioning.

Mindly | *Python, Hugging Face Transformers, Flask, HTML, CSS, JavaScript, BERT*   Oct 2024-Nov 2024

∗ Developed an AI-powered mental health assistant with emotion detection using the DistilRoBERTa model.
∗ Integrated GPT-2 transformer to generate empathetic responses tailored to user emotions, enhancing user interaction.
∗ Optimized UX e.g. sound design, food drop timing, supplied saturation level, and addressed potential workarounds

EXPERIENCE

Graphic Design Intern | *Sarvh*   2024
Crafted engaging visuals to elevate Sarvh's brand across digital platforms, ensuring a strong and consistent visual identity. Collaborated with cross-functional teams to develop innovative design solutions in a dynamic startup environment.

Design Head | *IEEE Student Chapter BU*   2023 – 2024
Led creative direction and visual strategy, enhancing IEEE BU's branding and event outreach. Managed and inspired a multidisciplinary design team, driving innovation and executing seamless projects.

Management Member | *Alan Turing Club (ATC) BU*   2022 – 2024
Played a pivotal role in planning and executing ATC club activities, ensuring smooth event operations. Fostered a collaborative environment, increasing club engagement and member participation.