

SHREYA GUPTA

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Profile

Passionate and dedicated aspiring AI/ML developer with a strong desire to leverage my skills, knowledge, and enthusiasm for technology. Committed to contributing to the company's mission of fostering innovation by developing real-world projects. Seeking to gain valuable real-world experience to further enhance my skills.

Education

- **Vellore Institute of Technology, Vellore | 2021-2025**
B. Tech Computer Science (Bioinformatics) – **CGPA: 9.73**
- **St. Thomas School, NCR, Delhi**
CBSE – **12th: 97.6% | 10th: 97.8%**

Projects

- **Brain Tumor Classification Models (in pipeline)**
Four class brain tumor classification (pituitary, glioma, meningioma and notumor) models developed using VGG16, VGG19, DenseNet120 and MobileNetV2 architectures.
- **VisionVortex**
YOLO-model based Python application developed using OpenCV, Scikit-image and Pillow libraries to detect and predict the name of an uploaded image. Input validations implemented to validate the input file.
- **EventMailer**
SMTP-library based python application to send birthday invites and wishes via email to friends with details imported from a CSV file
- **CineFlix**
TMDB API based system to provide personalized movie recommendations built using Scikit-learn, PyTorch, SciPy, Pickle, etc
- **ChatSense**
Numpy, Pandas, PyTorch, Scikit-learn, SciPy, and Matplotlib libraries based statistical analysis and visualization application to analyze whatsapp chats
- **PortFolio**
Django, HTML, CSS, Bootstrap, Javascript and Typescript based responsive website
- **InsightfulX**
R language-based codes for data analysis and pre-processing using statistical functions (regression, hypothesis testing, coefficients of variation, probability calculations, etc)

Skills

- **Programming Languages:** Python (3-star Hackerrank), Core-Java (3-star Hackerrank),
- **Machine Learning Frameworks:** TensorFlow, PyTorch, Scikit-learn, Keras, SciPy, Pickle
- **Convolutional Neural Network (CNN) Models:** VGGNet, DenseNet, MobileNet
- **Image Processing:** Pillow, OpenCV, Scikit-image, SciPy, SimpleITK
- **Object Detection Models:** YOLO (You only Look Once)
- **Data Analysis and visualization:** Pandas, NumPy, Matplotlib, Seaborn, Core-R
- **Web Development:** Django, Flask, Streamlit, HTML, CSS, Bootstrap, Javascript
- **Databases:** Oracle-SQL, MySQL

Achievements

- **IIT Madras - BIOGEN – The Pharma Challenge (Jan2022)**
2nd position in BIOGEN Ideation Challenge(15k), organised by IIT, Madras
- **VIT, Vellore - BHOOMI Hackathon -- The Hack for Earth (Nov2021)**
1st position in BHOOMI Hackathon(17k), organised by Alpha Bio Cell, VIT, Vellore sponsored by Cambrionics Life Sciences
- **VIT Merit Scholarship and Programme Representative (PR) for 2nd Year (2022) and 1st year (2021)**
- **Class 12th (2021)**
JEE Mains (93%ile/63k), NEET (95%ile/78k), NEST (98%ile/227), [other awards](#)
- **Class 10th (2019)**
Merit Certificate (Maths), SOF Olympiads–Int. Rank–Maths (582), Science (450)

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[Github](#)