Arnii Srivastava

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EDUCATION

Dwarakadas J. Sanghvi College of Engineering Vile Parle, Mumbai, Maharashtra
B. Tech. in Computer Engineering *Aug. 2023 – May 2027*
- *Cumulative GPA:* 9.42

DAV Public School Navi Mumbai, Maharashtra
Senior Secondary School
- *Percentage:* 95.6% Duration: Apr. 2022 – Mar. 2023
- *Courses:* PCM with CS & English *Board:* CBSE

PROJECTS

Exam Registration System | *Python, Tkinter, MySQL* Feb. 2023
- Graphic User Interface application for exam registration along with a built-in fee payment portal.
- Integrates MySQL for data storage, automates detail generation in a file system.
- Integrating 5 undergraduate entrance exams - JEE, NEET, CET, BITSAT & SATs
- Group Project (Team of 2)
- Project Link

DJS ARYA Mobile Application Prototype | *Figma* Feb. 2024
- UI prototype for college committee's app.
- Enhances navigation through different sections, reduces errors by 25%.
- Individual Project
- Project Link

Colorization of Grayscale Images Using GANs | *Python, OpenCV, TensorFlow* 2024
- Developed a Generative Adversarial Network (GAN) from scratch to generate colored images from grayscale inputs using Kaggle's Landscape dataset.
- Achieved a test loss of approximately 0.0085.
- Individual Project

Celebrity Face Recognition Using EfficientNet-B3 | *Python, TensorFlow-Keras, skLearn, Matplotlib* 2024
- Implemented EfficientNet-B3 to predict celebrity names from images using Kaggle's Pins Face Recognition dataset.
- Achieved a validation accuracy of 94.47%.
- Individual Project

Object Detection & Image Segmentation | *Python, OpenCV, TensorFlow-Keras* 2024
- Applied an object detection model from scratch on YOLO Labeled Mask Dataset with 98.5% classifier accuracy.
- Implemented U-Net-architecture-based image segmentation on the Oxford-IIIT Pet Dataset with 90.12% accuracy.
- Individual Project

Technical & Non-Technical Competitions | *Various* 2022-2024
- Participation in school and college events.
- Showcased teamwork, innovation, creativity.
- 10+ events, recognized in 50% for solutions and teamwork.
- Individual and Team Projects

ACHIEVEMENTS

Smart India Hackathon 2023 | *Ministry of Defense PS Code- 1419: Robust Human Target Detection and Acquisition* 2023
- Top 6 position among 300+ teams nationwide.
- Strong problem-solving and innovation skills.

CO-CURRICULARS

DJS Antariksh – Martian Rover Challenge Team | *DJSCE* Since Apr 2024
- Co-Committee Member, Science Department
- Design/testing of soil analysis protocols.
- Learnt about chemicals, sensors for Mars soil analysis, and for search of bio-signatures.

Synapse - AI/ML Committee | *DJSCE* Since Aug 2024
- ML Mentee, Co-Committee Member of Creatives-Editorial Team
- Understanding EDA, ML Algorithms, RNNs, LSTMs, Transformers.
- Content development, editing, teamwork skills.

TECHNICAL SKILLS

Languages & Databases: Java, Python, C, MySQL, HTML/CSS
Developer Tools: Git, Google Colab, VS Code, Kaggle, Figma, Canva
Libraries: pandas, NumPy, Matplotlib, Seaborn, SciKit Learn, TensorFlow, Keras, tkinter, OpenCV, mysql.connector

SOFT SKILLS

Leadership	**Detail-Oriented**
Communication	**Time Management**
Teamwork	**Conflict Resolution**