




SWADESH JANA

CSE UNDERGRAD

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EDUCATION

BE Computer Science & Engineering

Jadavpur University
Kolkata, India
2019-2023
Average GPA: 9.48

Higher Secondary (Science)

South Point High School
Kolkata, India
2017-2019
AISSCE (XII) - 96.4%

SKILLS

- Languages: Python, C/C++, Java
- Frameworks: TensorFlow, Keras, OpenCV, PyTorch, Scikit-Learn.
- Backend: Node JS
- Frontend: HTML, CSS, Javascript
- Database: SQL, MongoDB.
- Tools: Git, Jupyter and LATEX

ACHIEVEMENTS

- JBNSTS Senior Scholar (19-23)
- Rank 49 (Top 2%) in [SIIM-ISIC Melanoma Classification](#), 2020
- Letter of Recognition from State for AISSCE results

HOBBIES

- Reading books
- Playing Sports (Tennis, Cricket) and Chess
- Playing the Bamboo Flute

LANGUAGES

- English - Professional fluency
- Bengali - Native fluency
- Hindi - Working fluency

EXPERIENCE

RESEARCH INTERN

Google Summer of Code at Red Hen Lab | Jun - Aug 2021

- Video Hand Gesture Recognition using 3D CNN and LSTM
- Project link: summerofcode.withgoogle.com/projects

SECRETARY, AI CO-LEAD

DevHub, Jadavpur University | Dec 2020 - Current

- Found and Managing a community-based developers group
- Sessions on ML topics. Videos posted at youtube/devhubju

PROJECTS

AIR POLLUTION PREDICTION USING SPATIO TEMPORAL GRAPH CNN

Under-Graduate Research Internship | Oct 2021 - Current

- Ongoing project on applying CNN and LSTM layers in Graph-based model for air pollution prediction.
- Codebase: github.com/Swadesh13/STGCN_IJCAI-18

ROAD ANOMALIES IMAGE CLASSIFICATION & DETECTION

Under-Graduate Research Internship | Mar - Sep 2021

- Two papers on classification and object detection models on a self-annotated collection of road anomaly images.
- Manuscripts under review.

EQ - VIRTUAL QUEUE FOR THE NEW NORMAL

HCL Better Health Hackathon | August 2020

- Web App Backend using Node JS and MongoDB.
- Code: github.com/Swadesh13/ShopSafe

NEURAL STYLE TRANSFER

Short Coding and Documentation Project | April 2020

- Image generation by combining content and style images.
- Code: github.com/Swadesh13/Neural-Style-Transfer