Nilay Shrivastava

euler16.github.io | nilayshrivsatava1729@gmail.com

EDUCATION

UNIVERSITY OF DELHI, NSIT

B.E in Computer Engineering
Aug 2015-19 | Delhi, India
Cum. Percentage: 83.48

Hillwoods Academy Sr. Secondary School

May 2015 | Delhi, India
Cum. Percentage: 95.4

EXRTA-CURRICULAR ACTIVITIES

A.R.E.S MARS ROVER TEAM

(Co-founder & Head of Autonomous Systems)
Team ARES represents NSIT in University Rover Challenge.
Built the autonomous traversal software using YOLO and Simultaneous Localization and Mapping algorithms.

COLLEGESPACE

(Web Developer)
CollegeSpace is the socio-academic portal of NSIT students.
collegespace.in

PROJECTS

QU.JS

A Javascript framework for writing cross-platform Quantum Programs
May 2018-Present | Github
Qu.js provides a framework to define Quantum circuits and run them locally or on IBM Q computers and Rigetti Quantum Systems.

TALKS

SPEAKER AT PYDATA-INDIA CONFERENCE-2018

Aug 2018 | PyData | Github
Gave a talk titled 'Quantum Computation for Dummies!' to explain principles of Quantum Computing from purely Computer Science perspective

EXPERIENCE

MULTIMODAL DIGITAL MEDIA ANALYTICS LAB (MIDAS), IIIT DELHI | Research Intern

Sep 2018 – Present | MIDAS@IIITD

- Working on multi-modal deep learning models for speech synthesis and Lip Reading under Dr. Rajiv Ratn Shah at IIIT Delhi.
- Contact: Dr. Rajiv Ratn Shah (rajivratn@iiitd.ac.in)

SAMSUNG RESEARCH | Software Engineering Intern

May 2018 – July 2018 | Bengaluru, India

- Built an Efficient Recurrent Neural Network architecture to implement features like Smart Reply and Doodle recognition for embedded system.
- Wrote custom C++ Tensorflow operations for Tizen platform.
- Contact: Mr. Rajesh PS, Senior engineer at Samsung (rajeshps@samsung.com)

ZEG.AI | Research Intern & Web Developer

May 2017 – July 2013 | New Delhi

- Zeg.ai is a computer vision startup working to create 3D models.
- Worked on Generative Adversarial Networks to create 3D voxels from 2D images.
- Built the organization website (https://www.zeg.ai/)

ACHIEVEMENTS

MERIT SCHOLARSHIP, UNIVERSITY OF DELHI NSIT 2017 – 18 | 2016-17

- Awarded to top 10 students in computer engineering department every year, accompanied by full tuition fee waiver.

KISHORE VAIGYANIK PROTSAHAN YOJNA (KVPY), GOVERNMENT OF INDIA 2013

- Stood 71st in KVPY examination conducted all over India. Awarded scholarship up to pre-PhD level by Ministry of Science and Technology

NATIONAL TALENT SEARCH SCHOLAR, NATIONAL COUNCIL OF EDUCATION RESEARCH AND TRAINING, GOVERNMENT OF INDIA 2011 - Present

- Awarded merit scholarship by Government of India as part of national-level scholarship program under which students who qualify National Talent Search Examination are provided scholarship till PhD degree.

PUBLICATIONS

GREEDY WOA FOR TRAVELLING SALESMAN PROBLEM ICACDS 2018, ISBN: 978-981-13-1813-9

Gupta, R., Shrivastava, N., Jain, M., Singh, V. and Rani, A., 2018, April. Greedy WOA for Travelling Salesman Problem. In International Conference on Advances in Computing and Data Sciences (pp. 321-330). Springer, Singapore.published in Springer as a book chapter