

Suhan Roy

Software Developer and AI Researcher

Life long learner. Passionate about solving problems with AI for a better future for humanity.



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EDUCATION

Master of Science by Research in Data Science and Artificial Intelligence

International Institute of Information Technology Bangalore (IIITB)

07/2024 - Present

Courses

- Courses : Machine Learning, Computer Vision, Natural Language Processing, Linear Algebra, Deep Learning.

Bachelor of Technology in Electronics and Communications Engineering

Maulana Abul Kalam Azad University of Technology

08/2016 - 07/2020

7.47/10 CGPA

Courses

- Courses : Data Structures and Algorithms, Signals and Systems, Database Management Systems.

WORK EXPERIENCE

Associate I

Capgemini Engineering

01/2021 - 06/2023

Chennai, India

Global Engineering and R&D Services in cutting edge technologies in Digital and Software.

Achievements/Tasks

- Worked on C++ Design code and FT in TTCN-3 in SIP.
- Worked on Automation tools like Selenium, Robot and Ansible for manual and automated test script management.
- Wrote Test cases and traffic scripts in Python3/Tcl for simulation of Traffic flow in product with Layer 2 protocols ARP, BGP and OSPF for IPv4, IPv6.

Research Assistant

Indraprastha Institute of Information Technology Delhi

08/2023 - 04/2024

New Delhi, India

Achievements/Tasks

- Worked in the field of Text to person Re Identification with CLIP and BLIP based vision language models and experimented on SOTA research papers.
- Implemented Masked Image Modelling inspired by SimMIM paper from Microsoft on CLIP based Person Reidentification architectures like IRRa and have achieved a increase in accuracy over the latest works.
- Explored efficiency of DDPM based models of Image Segmentation on ViT image pre training.

Guide : Dr A V Subramanyam

SKILLS

Linux

Python 3.x

C++

MySQL

Machine Learning

Blockchain Technology

Deep Learning

Git

PyTorch

Natural Language Processing

Computer Vision

COURSEWORK

Coursera : Bayesian Statistics Specialization
(06/2024 - Present)

Coursera: Deep Learning Specialization
(07/2020 - Present)

Coursera: Natural Language Processing Specialization.
(09/2021 - Present)

Coursera : Machine Learning Specialization
(06/2024 - Present)

LANGUAGES

English

Full Professional Proficiency

German

Limited Working Proficiency

Bengali

Native or Bilingual Proficiency

Hindi

Full Professional Proficiency

INTERESTS

Fiction

Running

Gaming

Soccer

Fitness