



UTKARSH SINHA

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024

Skills

Machine learning

C++

Python 3

MYSQL

Ms office

Interests

Skating

Reading books

Playing cricket

Objective

To work in an environment which encourages me to succeed and grow professionally where I can utilize my skills and knowledge appropriately.

Experience

●	Envestnet Yodlee	7th May
	Project Trainee	2020 - 7th
	Developed a Bug RCA engine	July 2020

Education

●	NIT Silchar	2017-2021
	B.tech in Computer Sc. and Engg.	(on-going)
	9.47	
●	Sai International School	2016
	Senior Secondary - science stream	
	92.2	
●	DAV	2014
	AISSE	
	9.6 CGPA	

Projects

- **Bug Root Cause Analysis Engine**
As a part of summer internship at Envestnet Yodlee, I have successfully built root cause analysis engine which is able to derive the RCA of the bugs by analysing its characteristics through NLP techniques, along with validate the developers RCA through ADT logs.
- **Surveillance system using computer vision**
As a part of NITS HACKS 2020 software hackathon, my team and I have successfully built the surveillance system using computer vision libraries. It is able to detect fights, riots, accidents, blasts etc in real time and inform to the owner through firebase mechanism.
- **Mobile popularity prediction system (Regression model)**
As a part of fourth-lab course organised by IIT Chennai, I have built a mobile popularity prediction system which will predict the popularity percentage of a mobile by analysing its specifications and price. It uses the mulilayer feed forward neural network architecture.

Classification of handwritten digits(MNIST) and classification of Fashion MNIST(Classification Model)

I have successfully designed the system for MNIST and fashion MNIST Classification task using multilayer feed forward neural network , and able to achieve accuracy upto 94% on unseen data.

Bots using Arduino UNO

In the first year I and my team had successfully made the bots and participated in many events like sumo fight, line follower etc

Detection of inherent community in a network

Aim of this project is to identify unique users in the network and identify clusters in that network based on information flow

🏆 Achievements & Awards

- Topper 5% in the examination conducted by IIT KHARAGPUR (NPTEL) in the course 'Introduction to soft computing'
- Got certificate from Google for reaching level 2 of 'Google Code-Jam'
- Secured All India rank - 20955(98.25%ile) in JEE Mains 2017
- Secured All India rank - 23785(84.14%ile) in JEE Advanced 2017
- Secured 1st position in college in first year of academic curriculum, hence changed the branch from ELECTRICAL ENGINEERING to COMPUTER SCIENCE AND ENGINEERING

📖 Publication

- **Human Behavior Assessment using Ensemble Models**
Khilji, Abdullah Faiz Ur Rahman, Rituparna Khaund, and Utkarsh Sinha. "Human Behavior Assessment using Ensemble Models." ALTA 2020 (2020): 140
- **Abstractive Text Summarization Approaches with Analysis of Evaluation Techniques**
Accepted by CICBA-2021, publication due

🧰 TRAINING AND WORKSHOPS

- Attended the 2 days workshop on Ethical Hacking and cyber security in NIT Silchar. (Oct'17)
- Attended 3 days workshops on robotics organised by CETPA in NIT Silchar. (Nov'17)
- Member of Machine Learning Club , NIT Silchar
- Participated in NITS HACKS software module hackathon. (Jan,20)