

Jishnu Nair

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EDUCATION

SRM UNIVERSITY

BTECH IN ELECTRONICS & COMM.
ENGINEERING

May 2020 | Chennai, India
Cum. GPA: 7.51

DAV PUBLIC SCHOOL, PATNA

XI-XII

May 2016 | India
Percentage:83%

ST KAREN'S HIGH SCHOOL

Grad. May 2014 | India
Cum. GPA: 9.4

LINKS

Github:// [Rogue](#)

LinkedIn:// [jishnunair](#)

Quora:// [Jishnu Nair](#)

SKILLS

Artificial Intelligence

Machine Learning

Deep Learning

Penetration Testing

Android Development

Computer Vision

Digital Image Processing

Networking

Graph Database

PROGRAMMING LANGUAGES

Python • Java • C • Bash • Git

Cypher • HTML • CSS • XML

MySQL • LaTeX

TOOLS AND LIBRARIES USED

Tensor flow

SK Learn

OpenCV

Matlab

Kali Linux

Tina

Pspice

Pandas

Neo4j

Apache Spark

EXPERIENCE

SRMIST | RESEARCH ASSISTANT

- Research work under the supervision of Dr Dhannalakshmi
- Research work with the application of Machine learning, Computer vision and Digital Image Processing
- The work when completed will benefit all the people in the medical field

SECTOR443 LABS | MACHINE LEARNING RESEARCHER

2018- Present | Chennai, TN

- Sector443 Labs is open source cyber security community for students, faculties and IT professionals at SRM Institute of Technologies.
- The areas of research are Pentesting, Malware analysis and security tools development. We also do various events such as CTF, talks, workshops and spreading awareness on online privacy.
- The area of research is application of artificial intelligence for security purposes and malware analysis.

SRM SEARCH ENGINE | INFRASTRUCTURE ANALYST

Feb 2018 – Present | Chennai, TN

- SRM Search Engine is a funded project of Rs 36lacs by National Internet Exchange.
- Infrastructure is the part which is handled by me which includes ranking and indexing and usage of Apache Spark and Machine Learning will be there

DAIKIN | INTERN

June 2018 – July 2018 | Patna

- Internship in Daikin was the perfect application of control systems.
- AC Refrigeration and Cooling was the aspect in which I was working.
- In the span of one month, I went into the main applications of Electronics and electrical systems.

LEVEL INFINITE | MACHINE LEARNING TRAINEE

Dec 2017 - Jan 2018 | Chennai

- I was being trained by a CISCO professional where I was given task to merge Machine Learning and Cyber Security.
- There I performed spam filtering in mails using tokenization.

RESEARCH PROJECTS

SRM SEARCH ENGINE

- The project is in four phases of completion namely- Crawling, Indexing, Ranking and Querying. Out of these crawling has been completed and work on ranking and indexing has been started using Apache Spark to handle large amount of data. Our aim is to make a smart search engine with the help of Shodan. Artificial Intelligence will play a key role.

MALWARE CLASSIFICATION USING CNN

- CNN will play an important role in the classification of malware. Malware will be in the form of binary bits from where we will extract labels and classify them to clusters.

ADDRESS

F4, HOUSE NO-20, ELANGOVDIGAL STREET, POTHERI
Kacheepuram District, Chennai, India
Pin Code : 603203

DOB

03.03.1998

CAROTID ABNORMALITY DETECTION USING COMPUTATIONAL INTELLIGENCE

- It is a funded project by IEl and it is done under the supervision of Dr Dhannalakshmi (Associate Professor,SRMIST). The project requires the application of Machine Learning, Computer Vision and Digital Image Processing. When completed it will be a boon to the medical industry. It will be beneficial for those who are in stage to suffer from cardiac arrest since it will detect the same in the pre occurring stages.

FACE RECOGNITION SYSTEM USING HAAR CASCADE CLASSIFIER

- It was a project assigned by my team where I made a Face Recognition System with HAAR Cascade Classifier. HAAR Cascade Classifier is basically used for image detection by multiplying two vectors. I trained almost 15000 images and it took me near around hours of time to accomplish this with a success percentage of 84%. I did this project using openCV and its libraries.

CAR DETECTION IN TRAFFIC VIDEOS

- It was actually a weekend project and infact my first project where I used MATLAB. The procedure for this was the snaps of car were converted to gray scale image. Then the video was captured frame by frame and the algorithm was applied for the video as well. As soon as the algorithm was applied the car which were moving in that video were marked with red dot on them and hence the project was successfully completed.

VLAD

- The abbreviation for this name is Vehicle Locking System using Alcohol Detection. This was project which I along with my team made for the first time in this university. The project consisted of Arduino which provided the control of us over the servo which has the rotating capacity upto 180 deg. A simple mechanism was attached to the servo and as the alcohol was detected in the module detector , then the arduino would give the signal to lock the mechanism and after few hours of time it will automatically unlock.

MAGLEV

- The abbreviation for this name is Magnetic Levitation. Its basic principle is that like charges repel each other due to which levitation can be derived from the train. It was my class XI project where my team got selected to exhibition at IIT Patna. Here we used electromagnet and superconductor whose temperature was controlled by dry ice. The use of electromagnet made us achieve the forward and backward movement of the train. The speed of the train can also be controlled by the current flowing through it and hence this project was completed successfully.

AWARDS

2015	Special Mention	IIMUN, Patna
2013	Grand Master	SIP India Pvt Ltd, Patna
2012	3rd	SIP Abacus Zonal Level Competetion
2010	1st	Tabla Competition

SOCIETIES

2018-Present	Wizard at School of AI
2017-Present	Follower of Null, Chennai