

# ROHAN RUSSEL NEDUNGADI

## Bachelors in Computer Science

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🌐 <https://github.com/munkeops>

🌐 <https://munkeops.github.io>

🌐 <https://munkeops.github.io/Blogs>

## EXPERIENCES

### Jr Machine Learning Engineer 🏢 Jun 2021 – Present

#### Guise AI (Full Time) 📍 Hyderabad, India

- Developing, designing and structuring pipelines for new projects.
- Working closely with clients to develop easy to adapt and quality products.
- Increase scalability and ease of deployment of applications.
- Working on developing viable products with AI application.

### Jr Machine Learning Engineer 🏢 Feb 2021 – May 2021 (4mo)

#### Guise AI (Co-op/Internship) 📍 Hyderabad, India

- Worked on Computer Vision pipelines including Object Detection and Tracking.
- Explored and integrated various new softwares and architectures in the pipelines to deliver scalable solutions. (MongoDB, Apache Kafka)
- Developed an automation tool with computer vision algorithms for Datafarm to generate processed data, that cut down a week long manual job to a few hours.

### Summer Research Program (CyberVSR) 🏢 Jun 2020 – Aug 2020 (2mo)

#### Rochester Institute of Technology (Internship) 📍 NY, USA(Virtual)

- Worked under Prof Jay Yang of RIT to explore Bro/Zeek as an effective network analyser and IDS to use for machine learning based exploration and detection.
- <https://www.rit.edu/cybersecurity/cybervsr>

### Summer Engineering Intern 🏢 Jun-Jul 2018 & Jul-Jul 2019 (3mo)

#### Avenue E-commerce Ltd (R&D) (Internship) 📍 Mumbai, India

- Wrote a white paper under Mr Vikas Roy on an exhaustive analysis of customer purchase patterns on an e-commerce platform with a segmentation algorithm.
- In the following year designed ML models implementing the ideas in the paper to evaluate customers and achieved a 98% accuracy.

## PROJECTS

### ID card Recognition (March 2021)

- Using computer vision concepts (OCR and MTCNN) to detect image and ID number from ID card for identification.

### Poke2 (May 2020)

- A full stack restful web-app based 1v1 game.( React+NodeJS, Heroku PaaS, git-lab CI/CD, Mongo Atlas ).
- <https://poke2se.herokuapp.com>

### Distributed Compute Fabric - Hackathon (Jan 2020)

- Implemented efficient map and reduce algorithms along with REST APIs, to use CPU cycles on idle smartphones for distributed computation.

### Rshell (November 2019)

- A unix based custom shell implemented in C (Rohan's Shell) that supports batch processing, forking, signal handlers, bg processes and IO capabilities like piping and I/O re directions and all general unix commands and is easy to customise

### ML Cart Conversion -Dell Hackathon (August 2019)

- Proposed and presented a redesign of the Dell website with ML integrations, to offer a smoother experience which in turn would increase cart conversions rate.

## ACHIEVEMENTS

- Won 3rd prize at the E-summit , Tech Startup Sprint Hackathon -INR 10,000/- (2020)
- Winner at Dell "Hack2Hire" offered summer internship at Dell EMC -INR 50,000/- (2019)
- Head of Logistics for our cultural fest AETHER- fundraised INR 1.5 Lakhs (2019)
- Recipient of Annual Merit Scholarship of INR 1 lakh from Mahindra University. (2018,2019)
- Nominated School Captain and was awarded Senior All Rounder in 10th grade (2015).

## EDUCATION

### Mahindra Ecole Centrale

#### B.Tech Computer Science - CGPA : 9.28/10

🏢 Aug2017 – Aug2021 📍 Hyderabad, India

### Pace Junior Science College

#### HSC Science (PCM) - Percentage : 84%

🏢 Jun2015 – May2017 📍 Mumbai, India

### St. Peter's Boy's Boarding School

#### ICSE Science - Percentage : 91.3%

🏢 Jun2009 – May2015 📍 Panchgani, India

## SKILLS

Pytorch, Keras, Tensorflow, Numpy, Pandas, NLTK, Spacy, SciKit-Learn, ReactJs, NodeJs, Django, Flask, C, MongoDB, Kafka

## RELEVANT COURSES

Deep Learning, Natural Language Processing, Machine Learning, High Performance Computing, Distributed Computing, Data Structures & Algorithms, Software Engineering.

## CERTIFICATE COURSES

- Deep learning Specialisation (Deeplearning.ai)
- Tensorflow Developer Specialisation (Deeplearning.ai)

## EXTRA CURRICULAR

- Part of the college football team, enjoy table tennis, love swimming.
- Member of the Dance club and Computer Science Club(Enigma)