

Vinay Sharma

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EDUCATION

THE LNM INSTITUTE OF INFORMATION TECHNOLOGY

BTECH IN COMPUTER SCIENCE

July 2019, CGPA: 7.02 | Jaipur, India

DELHI PUBLIC SCHOOL

Indirapuram, Delhi NCR

Science | Percentage: 92.75

LINKS

Github:// [vinay0410](#)

LinkedIn:// [vinay0410](#)

OPEN SOURCE

Python (shared_memory, tests)

JdeRobot (GSoC)

OpenCV (imgcodecs, tests)

SKILLS

- C • C++ • Python • OOP
- Unit, Integration, Data Driven Testing
- IPC using Shared Memory
- Docker

FRAMEWORKS/LIBRARIES:

- aiohttp • asyncio
- unittest • Pyramid (minor exp.)

TOOLS:

- Swagger
- Postman for Integration Testing
- Elasticsearch • PostgreSQL (minor exp.)
- MongoDB • Nginx (minor exp.)

RESPONSIBILITIES

- Co-ordinator, Robotics Club
- Event Head (Robotics LFR) at Plinth (Techno-Management Fest)

REFERENCES

Dr. José María Cañas Plaza

Org Admin, JdeRobot

Associate Professor,

Universidad Rey Juan Carlos, Spain

[Letter Of Recommendation](#)

Mr. Sandeep Saini

Assistant Professor, LNMIIT

Faculty Guide Phoenix (Robotics) Club

[Letter Of Recommendation](#)

EXPERIENCE / INTERNSHIPS

INNOVACER | SOFTWARE DEVELOPMENT ENGINEER

July 2019 - Present | Noida, India

INNOVACER | SOFTWARE DEVELOPMENT INTERN

Jan 2019 – July 2019 | Noida, India

- Built a Query Engine using custom designed Domain Specific Language to provide an endpoint to build large scale data services.
- Built and deployed an end to end backend service from scratch using aiohttp and asyncio in Python.

GOOGLE SUMMER OF CODE 2019 | MENTOR | JDEROBOT

May 2019 – Aug 2019

- Mentored in building a tool to label datasets using deep learning inferencers, which significantly helped the community to generate datasets faster.

GOOGLE SUMMER OF CODE 2018 | STUDENT | JDEROBOT

May 2018 – Aug 2018

- Developed a Tool to View, Convert and Evaluate Datasets for a particular inferencer using a particular framework such as TensorFlow, Darknet and Keras.
- This tool significantly helped the Deep Learning Community to evaluate and deploy networks as a ROS node.

ACHIEVEMENTS

- Received **Innovaccer Champion of the Quarter award** for building **Query Engine, Centralized Survey service** and integrating Swagger / Postman for Request Validation / Testing.
- **Zonal level winner** and **national level participant** among **Top 30** teams at **DRUSE conducted by DRDO** out of **1100 teams** from **786 colleges**.
- **Final stage participant** at the **eYantra Robotics Competition 2016** conducted by IIT Bombay, among **Top 37 teams** out of **5,652**.
- Selected as a student at Interviewbit Academy, among **Top 300** shortlisted from **9000**.

PROJECTS

JDEROBOT'S DETECTIONSUITE | [JdeRobot/DetectionSuite](#)

Mentor: [Dr. José María Cañas Plaza](#) | [Project Report](#)

Improved DetectionSuite by adding parsing support(View, Evaluate, Convert) for widely recognized datasets such as COCO, Pascal VOC and Imagenet along with frameworks namely TensorFlow, Darknet and Keras, enabling users to deploy and evaluate a model on supported datasets using supported frameworks. Mentored in building a functionality to label data using deep learning.

PIZZA DELIVERY WEBAPP | [vinay0410/Pizza](#)

Mentor: [Dr. Narsi Bolloju](#)

A system which handles multiple types of users such as Admin, Outlet Supervisor, Chef and Delivery Staff and co-ordinates between them, to result in efficient and timely delivery. Users can get real time update their order, including live tracking of delivery on road.