vinay0410sharma@gmail.com | +91 9810340897

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 Codeforces:// atom0410 Codechef:// vincode 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 MongoDB Redis
- PostgreSQL (minor exp.)
- 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

INNOVACCER | Software Development Engineer

July 2019 - Present | Noida, India

- Designed and implemented custom full text search using ElasticSearch on millions of documents.
- Improved speed of time critical APIs by caching using Redis, and configured eviction policies.

INNOVACCER | SOFTWARE DEVELOPMENT INTERN

Jan 2019 - July 2019 | Noida, India

- Built and deployed an end to end backend service from scratch using aiohttp and asyncio in Python, MongoDB, shared memory for IPC, OpenAPI for Request Validation, Postman for Integration Testing and mypy for type checking.
- Designed a GraphQL like JSON spec for querying PostgreSQL, supporting joins, filters and aggregations. Wrote a Query builder and an analyzer to get frequency of joins, filters and aggregations on columns.

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 for widely recognized datasets such as COCO, Pascal VOC and Imagenet along with frameworks namely TensorFlow, Darknet and Keras, enabling users to deploy and evaulate a model on supported datasets using supported frameworks.

PIZZA DELIVERY WEBAPP | Ovinay0410/Pizza

Mentor: Dr. Narsi Bolloju

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