

Harshavardhan Srinivas

SOFTWARE ENGINEER · GRADUATE STUDENT

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Education

Santa Clara University

MASTERS DEGREE IN COMPUTER SCIENCE

Santa Clara, CA

Apr. 2018 - Present

National Institute of Technology (NIT)

BACHELORS DEGREE IN ELECTRICAL ENGINEERING

Trichy, India

Aug. 2013 - Aug. 2017

Work Experience

Orio Sports

SOFTWARE DEVELOPER

Aug 2017 - Apr 2018

- Designed and developed a high frequency scanner by consuming data from various streaming APIs.
- Minimized the latency of the system to under 5 mS by using **Postgres**, **Redis** for in-memory caching.
- Led the development of an analytics system by using **Apache Spark** for big data processing.

Google Summer of Code

SOFTWARE DEVELOPER INTERNSHIP

May 2017 - Aug 2017

- Kick-started the development of **IPython** support for world's most widely used web crawling framework - Scrapy.
- Developed interactive widgets using **Python**, **JS** for Parsel - Scrapy's data extraction engine.

National Instruments

SOFTWARE DEVELOPER INTERNSHIP

May 2016 - Aug 2016

- Worked with the DevOps team of National Instruments' flagship product - LabVIEW.
- Built a web app primarily using **C#**, **JavaScript** to visualize the data retrieved from distributed testing framework.
- Spearheaded the technical efforts to build an **ASP .NET** based REST API for internal operations.

Open Source

Scrapy - Web Crawling Framework

CONTRIBUTOR - WORKED ON RETRY MIDDLEWARE AND VARIOUS FEATURE IMPROVISATIONS

github.com/scrapy/scrapy

CLI-Github

AUTHOR AND CREATOR - OVER 15K DOWNLOADS AND 170+ STARS ON GITHUB

github.com/harshsrinivas/cli-github

Research Publications

Elsevier - Computers in Industry Journal

INDUSTRIAL INFORMATION EXTRACTION THROUGH MULTI-PHASE CLASSIFICATION USING ONTOLOGY FOR UNSTRUCTURED DOCS

RAJBABU KUMARAVELU, **HARSHAVARDHAN SRINIVAS**, SUDHA S.

2018

Program Committees

- 2016 **Organizer & Problem Writer**, Pragyan CTF - An International Capture The Flag contest
- 2015 **Lead Organizer**, Workshop on Building Web Crawlers using Python
- 2014 **Organizer**, Workshop on Linux Server Administration and Shell Scripting

International

NIT Trichy, India

VIT Vellore, India

Honors & Awards

- 2017 **Runner-up**, Best Undergraduate project award - NIT Trichy
- 2016 **Runner-up**, Envestnet Hack'd Hackathon - Hack for a cause
- 2013 **Finalist**, Two-time finalist - National Informatics Olympiad (INOI)
- 2013 **Finalist**, National Mathematics Olympiad (INMO)
- 2012 **Scholar**, KVPY Fellowship, Indian Institute of Science (IISc)

India

India

India

India

India

Coursework

- Cloud Computing
- Applied Mathematics
- Machine Learning*
- Data Mining
- Pattern Recognition
- Recommender Systems*
- Computer Architecture
- Data Structures & Algorithms
- Operating Systems