

# Sri Harsha Kantipudi

**Address:** Bologna, Italy

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**Visa Status:** Student Visa

**Availability:** July 2020

## Professional Summary:

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Skilled data enthusiast with 3 plus years of experience as a software engineer in Teradyne IGXL Domain. Experience with Dev-Ops automation and Software Development, Integration, Configuration, Build & Release management. Strong in analytical programming using C++, Python including hands on knowledge of data manipulation, machine learning and optimization. Experience in developing simple to complex dashboards with business insights using Python, Tableau. Maintain focus on achieving bottom-line results while formulating and implementing advanced technology and business solutions to meet a diversity of needs.

## Skills:

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- Industry experience as a **Software Engineer** for Semiconductor domain
- Experienced in all phases of the software Development & Product life cycle for new tool development
- Involved in Code coverage, Performance analysis, Design changes at architecture level for new tool
- Strong in **programming** using Python, C++, R (Basic), SAS (beginner)
- Hands-on experience in **exploratory data analysis, data manipulation, transformation and merging** of complex datasets.
- Strong quantitative **predictive analytical** and statistical skills using hypothesis, ANOVA, correlation and time series.
- Experience in shell scripting using Unix Shell and working of distributed computing using Hadoop Stack (HBase, Hive, Pig, Sqoop).
- Expertise in Object-Oriented Programming and generic programming.
- Worked in **Agile** environment and Developed, implemented Software Release Management strategies for various applications.
- Familiar with **Deep learning**, and cloud platforms like **AWS** and Dev-Ops tools like **Docker**, Jenkins

## Career History:

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### **Software Engineer**

HCL Technologies, India (Client – Teradyne)

**Aug 2016- Oct 2019**

**Digital Tools:** Teradyne creates the large set of software applications using (C++, C#) to test their semi-conductor equipment's and these devices will use analog and digital type of data. This project will provide the tools with individual GUI to read the digital data from the hardware's and gives pattern's data to user in understandable format

**Technology Stack:** C++, C#, Perl (Auto Test), Clear-Case, Clear-Quest, View Chooser, Win-Dbg, Visual Studio 2013,2015, Version selector plus, Electric Commander, MS Build, MSOffice.

### **Roles and Responsibilities:**

- Release Engineer for a team that involved different development teams and multiple simultaneous releases
- Enhance features specified in ClearQuest (CQ) against Core modules and Defect analysis, implementation and testing by Adhering to the process and Developed Auto tests related to Defects in Core modules.
- Hands on experience of Build & Deployment phase and usage of Continuous Integration (CI/CD) tools, build configuration, change history for releases, Maintenance of build system
- Performance and Memory leak issue assessment support work
- Majorly involved in Release management and supported Performance and crash dump analysis for every release and Keeping track of Release files and Verifying the logs if build fails

**Dev-Ops Automation:** The main aim of this project is to stable the existing Teradyne environment when working with Dev-Ops to achieve the gated delivery process by changing existing dependencies in the code and recreate tools to avoid manual effort.

**Technology Stack:** C++, Git, JIRA, Visual Studio 2006,2010, Electric Commander, MS Build, Tableau, MSOffice.

## Roles and Responsibilities:

- Worked with Client Manger to get Requirements and helped in creating design documents for consistent code styling
- Experienced in **DeV-Ops** stages of Continuous Development (Plan, Code, Build) & Continuous Integration (**CI**), Continuous Deployment (**CD**) & Continuous Testing
- Worked in Agile Sprints with Jira and Developed Automation tests and removed visual studio & SQL-DMO dependencies from the projects and packaged the entire code in **GIT** using MSBUILD tool
- Developed Batch scripts to implement continues integration (CI) between the applications and deployed the code into a server using Electric Cloud and Performed series of manual and Automated tests as per customer requirements

## Education:

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- **Master in Data Science -** **Nov 19 – Jan 21**  
University of Bologna, Bologna

### Projects:

- Interview Prediction Problem (**Tools:** Python, **Libraries:** scikit-learn, NumPy, Pandas, Matplotlib)
- Converting Social Media Impact into New Business in Mobile Industry (**Tools:** Tableau, NLP Sentiment Analysis, Libraries: Tweepy, scrapy, beautiful soup)
- Impact of corona Virus on Olympics (**Tools:** Python, Web-scraping, Word-clouds, Flask)
- IT Help Desk (**Tools:** Python, **Libraries:** TensorFlow, keras, seaborn)

- **Bachelor in Electronics and Communication Engineering** **Jul 12 – May 16**  
KL University, India

### Key Subjects:

Analog and Digital communication, Electronic Circuits, VLSI Design, Optical communication

## Competencies:

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- **Methodologies:** Agile, Waterfall, CRISP DM, KDD (Knowledge Discovery of Databases)
- **Data Science:** Python, Tableau, SQL, Web-scraping, Hadoop Ecosystem, SAS (Beginner)
- **Programming Languages:** C++, C# (Beginner), VB script
- **Cloud Technologies:** Beginner in AWS
- **Database:** SQL, HBase, Hive, Pig
- **Strengths:** Data Analysis, Decision Tree, Random Forest, Clustering, Linear Regression
- **Improving On:** Time Series Analysis, Deep Learning, Spark
- **Version Control** - Git Versioning, Clear-Case
- **Tracking Tools:** JIRA, IBM Clear Quest
- **Automation/Build Tools** : Docker, Jenkins, MAVEN, MS Build

## Achievements:

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- Received Live wire award for fixing **maximum number of defects** in IGXL at JAS quarter 2018
- Received appreciations from project manager of Teradyne for effectively coordinating and **delivering** the various releases planned on time.

## Volunteering:

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- Conducted weekly English classes for paraplegic students in Sanjeevandeep NGO between 2014-2016.
- Head of the group organizing events during client visits and within the project team.

