

# Tarun Pothulapati

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## WORK EXPERIENCE

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- **Intern, Community Bridge Program** Remote  
*Linkerd and Jaeger, Cloud Native Computing Foundation(CNCF)* *October. 2019 – Present*
  - Working on adding Distributed Tracing Support to Linkerd with Open Telemetry and Jaeger as the components.
  - Working on an add-on model for Linkerd, to provide Out-of-box experience both through Helm and Linkerd CLI.
- **Google Summer Of Code 2019** Remote  
*Linkerd, Cloud Native Computing Foundation(CNCF) Incubated Project* *May. 2019 – September. 2019*
  - Worked on implementing Service Mesh Interface (SMI) Metrics spec for Istio, Consul and also making the project more extensible.

## EDUCATION

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- **Vardhaman College Of Engineering** Hyderabad, India  
*Bachelor of Technology in Computer Science; CGPA: 9.16 (till IVth semester)* *Aug. 2016 – May. 2020*
- **Sri Chaitanya Junior College** Hyderabad, India  
*Intermediate: Maths, Physics and Chemistry; 95.1%* *Jun. 2014 – March. 2016*

## PROJECTS

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- **Doker**  
*Golang, Docker, Kubernetes*
  - Docker is a cli tool that provides a docker-cli experience but for a Kubernetes Cluster
  - It allows users to manage Images and Containers on the Kubernetes node by running a daemonset which interacts with the docker daemon.
- **Vardhaman College Chatbot**  
*Python, Microsoft Bot Framework, Docker, Azure App Service for Containers*
  - Developed a chatbot which helps students keep track of their GPA, Attendance, Schedule and keep them updated with college related information.
  - Vardhaman Bot is available on Facebook Messenger, Slack and on a website.
- **Tsep: Telangana State Eamcet Predictor**  
*C#, Asp.Net Core, Azure Table Storage, Azure App Service*
  - Developed a Web Application which predicted ranks and colleges for students according to their score in EAMCET (Engineering Agricultural and Medical Common Entrance Test).
  - The prediction is almost accurate as it is based upon previous years data and analytics.

## AWARDS AND CERTIFICATIONS

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- **KubeCon + CloudNativeCon NA 2019:** Was awarded scholarship to attend the conference which happened in **San Diego, California, USA** on **18th November 2019**.
- **KubeCon + CloudNativeCon EU 2019:** Was awarded scholarship to attend the conference which happened in **Barcelona, Spain** on **21st May 2019**.
- **Megathon 2017, IIIT Hyderabad:** Won 1st Prize in the IBM Challenge for developing an IT Service Chatbot using IBM Watson and Microsoft Bot Framework.
- **Cambridge Business English Vantage Certification:** Scored 176/190
- **AICTE All India Startup Contest 2017, Chennai :** Was one of the top 40 finalists across the Country.
- **IEEE SS12 National Level Competition 2017 , Hyderabad :** Won the second prize for developing Dr.Bot, a healthcare assistant.

## OPEN SOURCE CONTRIBUTIONS

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- **Linkerd:** Active Contributor to Linkerd, An Open Source, CNCF Incubated, Service Mesh project.
- **Service Mesh Interface Metrics:** Maintainer to the SMI-Metrics API, which aims to provide a common metrics API for different Service Meshes like Linkerd, Istio, etc.
- **Keen SDK:** Helped convert the .Net Keen SDK to .Net Standard, there by making it .Net Core compaitable.
- **Brighter.Net:** Implemented PostgreSQL as a Message Store for the Brigher.Net project which implements the Command Invoker pattern.
- **Virtual Kubelet:** Fixed a Bug when the configured Secret/ConfigMap is absent, and wrote e2e tests for the same.

## PROGRAMMING SKILLS

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- **Languages And Frameworks:** C#, Python, Go, Java, SQL, .Net Core, Asp.Net Core, MS Bot Framework
- **Technologies:** Azure, Kubernetes, Service Meshes, Cloud Computing, Distributed Systems, Linux, Git, NoSQL

## TECHNICAL TALKS

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- **CNCF Hyderabad Meetup Group:** Part of the organising team, to have an active community around Cloud Native Technologies in Hyderabad.
- **PyCon India 2018, Hyderabad:** Delivered a talk on Deploying a Python Application onto a Kubernetes Cluster with Auto-Scaling enabled.