K SHRINIDHI BHAGAVATH

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EDUCATION

PES University, Bangalore **July 2017 - May 2021**
Bachelor of Technology in Computer Science and Engineering *GPA: 8.94/10*
Relevant Coursework:Data Structure, Algorithms, DBMS, Web Technologies

SSLC(10th grade) : 94.88%, **Pre-University(12th grade) PCMCs :** 97.50%

TECHNICAL STRENGTHS

Programming/Scripting Languages: C/C++, HTML, Python, JavaScript, PHP
Frameworks and tools: Brackets, Keras, Jenkins, Splunk, Superset, Podman

EXPERIENCE

1. Internship at Akamai Technologies **June-July 2020 & January-June 2021**
Summer and Spring Internship 2020-2021

- Worked on Command-Line tool for pre-processing data and reporting required performance parameter. Asynchronous execution is implemented to make the process faster as this involves getting data from external applications.
- Improved automated monitoring framework that is used to monitor the Akamai network during important software changes.

1. Software Engineer at Akamai Technologies **July 2021-Present**
Full Time Employee

- Developed python interface for Grafana and databases like Clickhouse and modified Apache Cassandra. Added functionality to provide baselines for the metrics extracted from monitoring tools.
- Managed application and created visual representation for metrics provided from the application.
- Working on automated data analysis and visualization of low latency logs from Akamai network.

PROJECTS

1. Low Latency Log Analysis and Visualization **Ongoing**
SDE, Akamai Technologies

- Developed efficient way to analyse millions of rows and dynamically update top 5% CP Code for all the service provided by Akamai.
- Created job for inserting hourly and daily aggregation of all metrics to the database optimally.
- Working on automated analysis and reporting of probable cause for any anomaly seen in the service.

2. Introduction to Fast Data Structure LTree **March 2020**
PES University, Undergraduate Project

- Data structure that is being used so far has either faster insertion at given position or faster access time. Research is being made to get better of both. LTree that is being introduced has both faster access and faster insertion complexity. Ltree gives $O(log(n))$ at worst for accessing and $O(log^2(n))$ for insertion at any given position.

3. Extracting and Rendering 3D Structure and Orientation of Objects From 2D Images **March 2021**
PES University, Undergraduate Project

- Extracting depth of a single image using u-net encoder-decoder model. Using intrinsic properties of camera to build point cloud for specific image and the predicted depth. Use multiple image to get missing points, then smoothing out the point cloud. Mesh for calculated point is generated to get surfaces and build 3d model.

ACHIEVEMENTS AND EXTRA/CO-CIRRICULAR ACTIVITIES

- Selected for Central Sector Scheme of Scholarships for college and University Students and was awarded with the same.
- Qualified for ”Online-1” Round for SnackDown 2019.
- Represented Poornaprajna College and won 3rd price in Mathematics Fest(Mathletics) held in St Aloysius College Mangalore