

K SHRINIDHI BHAGAVATH

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EDUCATION

PES University, Bangalore

Bachelor of Technology in Computer Science and Engineering

Relevant Coursework: Data Structure, Algorithms, DBMS, Web Technologies

SSLC(10th grade) : 94.88%,

Pre-University(12th grade) PCMCs : 97.50%

July 2017 - May 2021

GPA: 8.94/10

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. 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.

3. Descriptive Image Paragraph Generation

March 2018

PES University, Undergraduate Project

- Built a model with hierarchical recurrent neural network to generate descriptive paragraph on an image. The model has a sentence RNN receives the image features, decides how many sentences to generate in the resulting paragraph, and produces an input topic vector for each sentence. This topic vector is then used by word RNN to generate the words of a single sentence. Predicted sentence had 13.6 METEOR score and BLEU-1 of 34.4

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