Tejas Kashinath

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Key Highlights

- Summer Internship in the area of in-video search:
  - ✓ Used machine learning frameworks like TensorFlow and keras to build an image caption generator.
  - ✓ Experience in planning, coordinating and implementing live customer projects – building a deep thumbnail generator to augment the company's in-video search feature.
  - ✓ Contributed in meeting customer deadline in production environment by quickly learning Containerization with Docker and API's using Flask.
- Demonstrated ability in working with diverse multi-disciplinary teams for projects and hackathons.
- Adept in developing clean and concise code for production environments.
- Problem Solver – used technology to tackle real world use cases and won recognition for the same.

Experience

SUMMER INTERN| MARSVIEW.AI PVT. LTD (KRUTRIM VISIO PVT. LTD.) **MAY 2019 – JULY 2019**

Marsview aims to redefine the field of video marketing using AI. They provide a platform that helps customers to build brand awareness, improve engagement and measure content performance with comprehensive analytics.

- Worked on caption generation and deep thumbnail generation to enhance user engagement by summarizing sections of video into GIF's.
- Learnt containerization with Docker and Flask to quickly integrate the thumbnail generator into the company's main product thereby helping the company to meet their deadline.
- Was able to considerably reduce the gif thumbnail file size to below 1MB in base64 encoding to make it quicker to deliver to the front end.
- Also managed to optimize the code to reduce the time required to process the videos into thumbnail GIF's thus improving the systems response.
- Developed a caption generator in python using tensorflow-keras based on the paper Show And Tell (CVPR 2016). Made a web application to display the same using HTML for the front-end and python-flask for the backend.

SUMMER INTERN| HB ROBOTICS LLP **JUNE 2018 – JULY 2018**

- Helped in developing two Raspberry Pi based differential drive robots to act as a testbed for the company's indoor navigation system which was under development at that time. Wrote the code for controlling the motion of the robots in python.

Education

B.Tech Information & Communication Technology, MIT Manipal, Expected May 2021	CGPA: 8.85
AISSCE – CBSE, May 2017	95.8%
SSC – CBSE, May 2015	CGPA: 10

Projects & Achievements

- Conceptualized and designed Bharat Blood Bridge - a solution for networking the blood donation ecosystem. This idea won special mention at the BIRAC (Biotechnology Industry Research Assistance Council, GOI) Hackathon held at NIT Suratkal.
- 1st Prize at the Wearable Device Hackathon organized by KMC, Manipal. Ideated and developed a prototype for a device with a team of doctors that would adjust operating theater lights to improve surgical outcomes.
- Developed a python application that could tell if a given satellite image contained a forest fire as my team's submission for Codefundo++ 2018. For this, I built an image classifier in python by learning Keras.