Ankit Arun

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EDUCATION

Bachelor of Technology, Computer Science and Engineering

May 2014 - June 2019

National Institute of Technology, Agartala, Tripura

WORK EXPERIENCE

Software Engineering Intern: Product Runtime

June 2019 - November 2019

Postman, Bangalore

- Member of the Product Runtime team.
- Worked on fixing bugs in the Postman native application.
- Explored the internals of the Postman native application, giving me a lot of exposure to the Microservices architecture.
- Created user facing documentation.
- Exposed to the full life-cycle of software development.

Deep Learning Intern: CTO's Office

May 2018 - August 2018

Wipro, Bangalore

- Estimated the Pose of a humanoid robot in 2-dimensional space.
- Created and refined proprietary data-sets/annotations.
- Comparative analysis of various methods of creating data-sets and accompanying annotations.
- Comparative analysis of various possible methods of pose estimation.
- Experimental generation of artificial dataset as well as annotations using Generative Adversarial Networks.
- Trained models based on convolutional neural networks to estimate 2-dimensional poses with an accuracy of over 90% with a relatively smaller data-set using transfer learning.
- Deployed a remote instance of the solution that could be ported as well as adjusted as per requirements.

SKILLS

Languages	C/C++, Python, JavaScript, React, Node, SQL
Tools	Git, Docker, Bash, Jira, Vim

PROJECTS

Two-dimensional Pose estimation *Python, Docker*
Estimated pose of a humanoid robot in 2-d space.

Subscription service *Nodejs, express, MySQL, Docker*   *https://github.com/arnitkun/payment-api-server*
A Subscription server that operates on 3 microservices: a payment server, a database and a subscription API server

Home automation system *Nodejs, Javascript, DOM, express, Docker, Mocha* *https://github.com/arnitkun/autoHome*
A prototypical home automation system that operates out of a web console in the browser itself, utilising both the DOM API and node. Fully containerized and complete with automated tests in BDD.

Online board game *Javascript, Nodejs*   *https://github.com/arnitkun/TicTac*
A two player game of Tic-Tac-Toe built using express.