Tanmay Binaykiya

https://tanmaybinaykiya.github.io

Email: binaykiya.tanmay@gmail.com
Mobile: +1 404 697 3256

EDUCATION

M.S. Computer Science	Georgia Institute of Technology, Atlanta	GPA: 4.0/4.0	Aug 17 - Present
B.E. Computer Science	BITS Pilani, INDIA	GPA: 7.85/10.0	Aug 09 - July 15

GRADUATE COURSES

Natural Language, Advanced Computer Vision, Artificial Intelligence, Computer Vision, Computer Graphics

TECHNICAL SKILLS

Languages: Java, Python, Javascript, C
Technologies: AWS, Docker, Spring Boot
Big Data Technologies: Apache Spark, PyTorch, NumPy

EXPERIENCE

Uber Technologies   Palo Alto, CA
Software Engineer Intern   May 2018 - July 2018
- Prototyped a HMM's emission probability-based algorithm to detect Map Errors using drivers' GPS traces
- Developed a reliability framework for Apache Spark based map metrics computation pipeline

Georgia Institute of Technology   Atlanta
Graduate Teaching Assistant, CS 4510 Automata & Computability   Spring 2018

BlueJeans Networks   Bangalore, INDIA
Senior Software Engineer   June 2016 - July 2017
- Developed a Spring-Boot based software platform to facilitate deployment of existing monolith as microservices
- Redesigned architecture resulting in a load capacity increase from 500 RPS to 100k RPS and uptime from .99 to .9999
- Developed an AWS Lambda-based NodeJS solution to enable live streaming video conferences into RTMP entry points providing in-meeting Facebook Live broadcast capabilities achieving a time-to-market of **14 days**

Software Engineer   Aug 2015 - May 2016
- Developed a transcoder auto provisioning system based on real-time usage patterns reducing AWS usage costs by 55%

Software Engineer Intern   Jul 2014 - May 2015
- Developed a proof-of-concept to deploy the Primetime stack on AWS EC2 using Kubernetes
- Developed tools for Web UI Automation and stress testing

National Aluminium Company Limited   Bhubaneswar, INDIA
Software Development Intern   May 2012 - Jul 2012

Ojaswi Tech   Pune, INDIA
Graphic Design Intern   Jun 2011 - Aug 2011

ACADEMIC PROJECTS

Coreference Resolution   Apr 2018
Built a coreference resolution pipeline using an Attention-Based-LSTM

Sequence Labeling   Mar 2018
Implemented a Part-of-Speech tagger based on Hidden Markov Model and BiLSTM - Conditional Random Field models

Scene Classification with Deep Learning   Nov 2017
Built a vanilla CNN and Transfer Learning based scene classification pipeline

Face Detection   Nov 2017
Built a face detection pipeline based on Dalal & Triggs method for pedestrian detection using HoG descriptor

Local Feature Matching   Sep 2017
Built a local feature matching pipeline based on Harris Feature Point Detector and a SIFT-like local feature descriptor

AWARDS & HONORS

Quarterly Award, BlueJeans Networks   July 2017