

# Gaurav Pande

www.gauravpande.in | 217.819.1441 |  
gpande@gatech.edu

## EDUCATION

### GEORGIA INSTITUTE OF TECHNOLOGY

MASTERS IN COMPUTER SCIENCE  
2019 - Dec(2020)  
GPA: 4.0 / 4.0

### COLLEGE OF TECHNOLOGY

B.TECH IN COMPUTER SCIENCE  
2010 - 2014 | India  
GPA: 7.8 / 10

## SKILLS

### PROGRAMMING

Over 10000 lines of code

Python • Java • GoLang • Javascript

**Libraries and Platforms:**

• Flask • Docker • Kubernetes • REST APIs • Ansible • Jenkins  
Pytorch • Tensorflow • Scikit-learn • Linux • Numpy • Pandas

**Databases:**

• MySQL • MongoDB • InfluxDB

## COURSEWORK

### GRADUATE

Machine Learning

(Research Asst)

Computer Vision

Deep Learning

Natural Language Processing

Deep Learning for Text

Human Computer Interaction

Data and Visual Analytics

Computer Networks

Graduate Algorithms

Information Security

### UNDERGRADUATE

Data Structures

Algorithms

Discrete Mathematics

Operating Systems

Database Management Systems

## LINKS

Github:// [Gaurav-Pande](#)

LinkedIn:// [Gaurav Pande](#)

Online Portfolio:// [gauravpande.in](#)

Open Source:// [OpenDayLight](#)

## EXPERIENCE

### VMWARE | SOFTWARE ENGINEER INTERN

May 2020 – Aug 2020 | Palo Alto, USA

Member of **Hands on Lab: Technical Marketing** team.

- Design and build a hybrid recommendation system, which aims to recommend relevant labs/content to customers using a deep learning model: AutoEncoders - [link](#).
- Designed an automated system to translate thousands of lab manuals to different foreign languages using Google AutoML service - [link](#).

### CISCO SYSTEMS | SOFTWARE ENGINEER ( BACKEND APIs )

Nov 2016 – June 2019 | Bangalore, India

Member of **Innovation Edge** team, solving complex network and software challenges using **Network Automation**.

- Developed various innovative features, use cases, proof of concepts, APIs for several products.
- Designed Traffic forecasting and dynamic threshold calculation using **time series analysis** such as ARIMA, Holt winter prediction using Cisco internal APIs.
- Presented technical tutorials at multiple **International developer conferences** like Cisco Live, Cisco DevNet Conference.
- Presented **demos and solutions** to customers directly to solve their business needs.
- Build core **backend APIs** for different products for deploying services based on Cisco's internal products like Network Service Orchestrator.
- Build **web portals in Flask** to showcase technical concepts and solutions to customers

### OPENDAYLIGHT | OPEN SOURCE CONTRIBUTOR

Jan 2015 – Oct 2016 | Gurgaon, India

Open source Contributor: Software Define Networking **OpenDayLight- Distributed Controller**

- Authored and Proposed a project, **Cardinal**, to OpenDayLight community to build health monitoring system for a distributed controller. Also **Contributed more than 10k lines of code in OpenDayLight community** - [link](#)
- Build **Micro services** based APIs to support all the features for a health monitoring system for a distributed controller.
- Organized and **led a team of 3-4 people** to manage the project and its contributions to the community.

### GRADUATE RESEARCH | MACHINE LEARNING AND DEEP LEARNING

June 2019 – current | Atlanta, USA

- As a **graduate student researcher**, researched a project based on volumetric anomaly detection using higher-dimensional tensor analysis, time series analysis.
- **Image Denoising**: Explored Supervised ( Deep Residual Networks ) and Unsupervised ML technique ( PCA ) for denoising an Image - [link](#).
- **Automated Essay Scoring and detecting gender bias** in textual data using Bidirectional LSTM - [link](#).
- A comparison between various **Object detection** techniques like R-CNN, mask R-CNN, and YOLOv3 using MS COCO dataset- [link](#).
- Graduate Teaching Assistant for Fall 2020 **Artificial Intelligence** course - [link](#)