Gaurav Pande

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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

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

SKILLS

PROGRAMMING
Over 10000 lines: of code
Python • Java • GoLang • Javascript
Libraries and Platforms:
Pytorch • Tensorflow • Scikit-learn • Linux • Numpy • Pandas • Flask • Docker • Kubernetes • Ansible • Jenkins • AWS • GCP
Databases:
• MySQL • MongoDB • InfluxDB

LINKS

Github:// **Gaurav-Pande**
LinkedIn:// **Gaurav Pande**
Website:// **gauravpande.in**
Projects:// **gauravpande.in**
Open Source:// **OpenDayLight**

EXPERIENCE

VMWARE | Technical Marketing 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 | Technical Solutions Architect
Nov 2016 – June 2019 | Bangalore, India

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

- Created innovative, bespoke solutions to address customer requirements which could not be served using standard product or solution features
- Worked closely with customer as well as internal Cisco product and technology teams to create solutions
- Provided expertise in DevOps technologies, such as Infrastructure as Code and automation based on infrastructure and service data analytics using Machine Learning techniques
- Provided expertise in software developing in Python and Java for both front-end and back-end solutions, leveraging numerous Open Source tools and platforms, in addition to both proprietary and industry standard APIs
- Presented demos and techtorials at multiple **International developer conferences** like Cisco Live, Cisco DevNet Conference.
- Engaged in **agile prototyping, demonstrating and building proof of concept** software as part of these solutions, and to work with Cisco Services, partners or customers' own development teams to facilitate the transition to live service.

SDN INNOVATION LAB | Open Source Contributor
Jan 2015 - Oct 2016 | Gurgaon, India

Open source Contributor to **OpenDayLight- Distributed SDN 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**
- Organized and **led a team of 3-4 people** to manage the project and its contributions to the community.

ACADEMIC PROJECTS | 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**