GAUTAM AGGRAWAL

Software Engineer

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INTERNSHIP EXPERIENCE

Full Stack Developer Engineer

JVE Consulting (Paris)

📅 May 2019 – August 2019   📍 Remote

- Migrated the existing product to Django and Elasticsearch latest stable.
- Created realtime chatting system using Django-channels.
- Worked on visualization of elastic search data using Kibana.
- Integrating Stripe for accepting payments using credit cards, etc.
- Wrote Django unit testcases and deployed on Digitalocean droplet.

Software Engineering Intern

FeasoptAi

📅 June 2019 – August 2019   📍 Gurugram, India

- Visualization of latitude and longitude of vehicles on leaflet maps.
- handled development and management of frontend user interfaces with the help of Html, CSS, Javascript.
- Unit Testing with Selenium and Django.

Backend Developer Intern

Aapnik

📅 March 2019 – May 2019   📍 Remote

- 1.Writing the backend API of a Ecommerce application in Django REST Framework and Django-Oscar.
- Involved in implementation of various concepts such as serializing and managing authentication details.

ACHIEVEMENTS

- Placed in top 14% in RSNA Pneumonia Detection Kaggle challenge
- Placed in top 3% in Digit Recognition Challenge using One-Shot Learning
- Winner at Samsung SMS Classification Hackathon
- Placed in top 5% in "Predict the Happiness" Hackerearth Challenge
- Secured AIR 1232 in GATE 2017

SKILLS

C++,Python,Keras,Unix   ●●●●●
Tensorflow,Pytorch,Darknet   ●●●●○

EDUCATION / COURSES

HONORS & AWARDS

- Received accolades at Atos for Best Performance in team .
- Received Best Debut Award at Atos.
- Won 2nd Consolation Prize for paper presented on Cognitive Radio Networks.
- Awarded with Narotam Sekhsaria Foundation Scholarship

PROJECTS

Masked Face Detection for ATM

- Developed a head classifier to detect masked faces in ATM to potentially prevent the event of robbery.
- Different camera angle, position, image quality, illumination and type of occlusion were the major challenges. Improved the existing accuracy by 20% .

Person Tracking

- Developed, modified and implemented robust object tracker by combining motion and appearance information to learn deep association metrics.

One Shot Learning

- One shot learning is the promising approach to learn good feature when little data is available.
- Achieved 92% accuracy on omniglot dataset using Siamese network with Bayesian optimization.

Automatic Defect Inspection of solar farm using drones

- Regular inspection of solar farm due to its wide size is strenuous.
- Developed a model to classify and localize defect on thermal images captured by drones.

Anomaly detection using Auto-Encoders

- Developed a model to learn regular patterns from sensor data and detect unusual pattern.

Early Warning Fault Detection and Identification

- Developed an LSTM based model to forecast and detect outlier from sensor data.
- Further, classified the given signal into one of the type of outlier.

Sentiment Analysis

- Used bag-of-words, pre-trained Embedding and simple as well as bi-directional LSTM techniques for Sentiment Analysis.

Deep Learning Specialization

Coursera

📅 June 2017 – Aug 2017

Bachelor of Technology

Vivekanand Education Society Institute of Technology

📅 June 2012 – May 2016