

# Prashant Gupta

MACHINE LEARNING ENGINEER ·

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## Education

### Masters in Information Technology

Gwalior, India

IIIT (INDIAN INSTITUTE OF INFORMATION TECHNOLOGY ~7.42/10.0)

Jul. 2010 - May 2015

## Experience

### StegoSOC formerly Cloudadic Inc.

Bangalore, India

MACHINE LEARNING ENGINEER

Mar. 2016 - Present

- Worked with a team of four people building **OCR engine**. We worked on building Receiptbot, which is an OCR processing framework, right from prototyping to production. My role is to mentor each module plus developing label detection & training deep neural nets for Text Recognition & Text Detection.  
Tools | Tech : Python, OpenCV, Keras, RNN, Transfer Learning, Computer Vision, NLP for NER | [Demo Results](#)
- Built Topic Modelling Model for our product (Ziwid - now scrapped) to enable business domain classifier. I was responsible for end to end delivery of this Model.  
Tools | Tech : LDA, Python
- Build Address detector and recogniser from any arbitrary webpage using a hybrid approach of regex and decision tree classifier for Ziwid. I was responsible for end to end delivery of this Module apart from integration to main product.  
Tools | Tech : Python, C++, Decision trees
- Successfully made a streaming pipeline that fetches the list of top twitter handle's that produces huge content on a particular topic & the consumers that consumes a large part of it. Also identifying how diverse & monotonous is the content of those top twitter handle's.  
Tools | Tech : Python, MongoDB, Flask, uWSGI, NGINX
- Built an **AI powered SOC** capable of analyzing logs in real time and alert the SOC analyst instantly for StegoSOC with a team of 3 people.  
Tools | Tech : Clustering, Supervised Learning, Cyber attack graph, CyberSecurity | [Intro Post](#)

### Abyeti Technologies Pvt Ltd

Bangalore, India

TECHNICAL ANALYST

Jul. 2015 - March 2016

- Worked on CodeGrounds - Company's Hiring platform. Written Logging & other modules independently.  
Tools | Tech : InfluxDB, Grafana, MySQL
- Worked on Precise & SQL workload Analyzer. These are monitoring tools for all types of Databases, Dotnet Applications & J2EE. Worked on feature addition of both the products.  
Tools | Tech : Core Java
- Uptime - Another server Monitoring tool from Idera is a lightweight application as compared to Precise. Worked on feature addition & bug resolving in the team.  
Tools | Tech : Salesforce Ticket Resolving | Core Java

## Projects

### ACADEMIC

- Worked on multi-objective evolutionary Algorithms [NSGA-II & TDEA] under Prof. M.K Tiwary, IIT Kharagpur and Implemented three variants of network manufacturing problems | IIT Kharagpur | Github
- A Weighted Mutual k-Nearest Neighbour for Classification Mining. Existing k-Nearest Neighbour Algorithm is modified using weighted & mutual concept. Submitted this work in IEEE Conference named International Conference on Computational Systems in Engineering and Technology under Advancing Technology for Humanity | IIIT Gwalior | Github
- Detecting Original & Duplicate YouTube videos. Incorporating the features of YouTube.com and using attribute relational graph of an image, a robust technique was developed to detect copyright infringement of videos | IIIT Gwalior | Github

## Skills & Interests

- Python | C++ | MongoDB | MySQL | Keras | Scikit | Tensorflow | Theano | Data Scraping | Numpy | Pandas | Git
- Experience in various deepnet architectures Alexnet, Inception, RNN, LSTM, CNN
- Proficient in deploying models at scale in AWS using CodeDeploy Management at a distributed scale
- Experience in developing Computer Vision & Deep learning algorithms for developing path planning & Autonomous driving solutions

