Prashant **Gupta**

MACHINE LEARNING ENGINEER · BACKEND DEVELOPER

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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

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
  Tools | Tech : Python, Caffe, OpenCV, RabbitMQ, AWS
- 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, t-SNE
- Build Address detector and recogniser from any arbitrary webpage using a hybrid approach of regex and decision tree classifier. I was responsible for end to end delivery of this Module apart from integration to main product.
  Tools | Tech : Python, C++, Machine Learning
- Specialised in making Slack Bots and slash commands. I have developed them for company's internal requirements solely by myself.
  Tools | Tech : Python, REST API
- 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 web services
- Developed a gRPC module for inter server communication for stegoSOC in Golang.
  Tools | Tech : Golang
- Built an AI powered SOC engine capable of analyzing logs in real time and alert the SOC analyst instantly.
  Tools | Tech : Clustering, Supervised Learning, Cyber attack graph
- Built a billing module for key element extraction from a pdf document.
  Tools | Tech : Python, NER, NLU

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 : Core Java, InfluxDB, Grafana, MySQL
- Worked on Precise & SQL workload Analyzer. These are monitoring tools for all types of Databses, 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

OTHER

- Implemented a java project that can read from a sample table containing thousands of entries and send the emails over an SMTP server using multithreading | Github
- Built an Image Classifier and achieved close to state-of-the-art accuracy. | Github

Skills & Interests

- C | C++ | Java(basic) | Python | MongoDB | MySQL | Keras | Scikit | NLTK
- Deep Learning | Scalability | Competitve programming