

## 🎓 EDUCATION

### B.S. in Physics

(Minor in Artificial Intelligence),

Indian Institute of Technology Kanpur  
(2012 - 2017)

## 🔧 SKILLS

### Frontend

Angular React Bootstrap  
SemanticUI SASS jQuery

### Backend

Spring-boot NodeJS Slim PHP  
Django OAuth2

### Database

Postgres MongoDB Elasticsearch

### Deployment

Docker Kubernetes Jenkins

### Others

Web Scraping CI/CD RabbitMQ  
Swagger LaTeX AdobeXD

## 🏢 WORK EXPERIENCE

### Société Générale GSC

(June 2017 – Present)

#### - Senior Software Engineer

📍 Bangalore, India



- Contributing in the **digital transformation** of legacy applications with modern web technologies and frameworks
- Active participation in **UI design** and proposals with new feature ideas for a better user experience
- Involvement in preparing backend **architecture design** for an efficient solution and on-boarding **CI/CD** practices
- Bringing digital best practices knowledge to the team by conducting ad-hoc and formal knowledge sharing sessions



- Qualified into organization level **specialized** group of software engineers
- Awarded as **Learner's Champion**
- Secured **2<sup>nd</sup> place** in a Machine Learning hackathon and qualified for final round for a UI/UX hackathon competing against 80+ participants

### Tripoto Travel Pvt Ltd

(May 2015 – July 2015)

#### - Software Engineer

📍 Delhi, India



- Contribution in improving the full text **search relevancy** by integrating **Elasticsearch** engine and weight normalization of search parameters
- Involved in transformation of existing web components to **AngularJS** modules consisting controller, service and factory classes
- Developed various **scraping** scripts to **automate** regular manual tasks
- Won** a hackathon competing against senior officials and other interns

## 💻 PROJECTS

### Rating Prediction and Summary Generation

(Academic project)

- Predicted product rating from user submitted review achieving an **accuracy of ~70%** using **LSTM NN** model & **Word2Vec**
- Generated an **extractive summary** of 3-5 words using **POS tag** and **sentiment polarity** of keywords in the user review
- A survey was taken with ~55% in favor of machine generated summary being considered as the user submitted summary

### PennySplit.com

(Self-project)

- An expense splitting app to quickly calculate each individual's share in a group event having on average **40 visitors daily**
- Developed the fully **responsive** frontend from scratch using **AngularJS** & **Twitter Bootstrap** with core focus on simple UX
- Developed **RESTful API** design pattern based backend using **Slim framework** in **PHP** and **MySQL** database

### Blog Scraper

(Freelance project)

- A web service to be consumed by a travel website allowing users to **auto generate** articles from the existing blog posts
- Developed the service using **scrapyrt** in **python** along with a **client app** to consume the service and preview the blog crawl

### Twitter Sentiment Analysis and Visualization

(Academic project)

- Sentiment analysis of **~50K geo tagged tweets** and visualized as category map, heat map & torque map using **CartoDB**
- Analysis done for the activeness of users on Twitter throughout the day and geographical density of tweets in India

### Course Helper

(Academic project)

- An **android app** to help students during academic registration by opting for the right courses to complete required credits
- Developed backend using **Django** framework with a **co-occurrence** based course **recommendation** service to serve the app

### Implementation of Security Properties in a Web application

(Academic project)

- Crafted various attacks like buffer overflow, code injection, cookie theft, phishing, attack worm, cross-site scripting
- Implemented security fixes for attacks by using privilege separation, server-side sandboxing, sanitization, salted hashing