Himanshu Choudhary

FULL STACK ENGINEER

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choudharyhimanshu



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

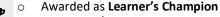
Société Générale GSC

(June 2017 - Present)

- Senior Software Engineer

Pangalore, 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 adhoc and formal knowledge sharing sessions
- o Qualified into organization level **specialized** group of software engineers



 Secured 2nd 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

O Delhi, India

- Contribution in improving the full text search relevancy by integrating Elasticsearch engine and weight normalization of search parameters
- >_ o 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



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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
- o 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,

- o 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
- o Developed RESTful API design pattern based backend using Slim framework in PHP and MySQL database

Blog Scraper (Freelance project)

- O A web service to be consumed by a travel website allowing users to auto generate articles from the existing blog posts
- O 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)

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