Himanshu Choudhary

FULL STACK ENGINEER

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🎓 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

| MySQL | MongoDB | Elasticsearch |

Deployment

| Docker | XLDeploy | Jenkins | AWS |

Others

Web Scraping	Git	Maven
Swagger	Cordova	LaTeX
AdobeXD	Adobe Lightroom

💼 WORK EXPERIENCE

Société Générale GSC   *(June 2017 – Present)*
- Senior Software Engineer   📍 Bangalore, India

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

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- o Awarded as **Learner's Champion**
- o Secured **2ⁿᵈ place** in a Machine Learning hackathon and qualified for final round for a UI/UX hackathon competing against 80+ participants
- o Received appreciation from **end users** on various proposed features

Tripoto Travel Pvt Ltd   *(May 2015 – July 2015)*
- Software Engineer   📍 Delhi, India

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- o 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
- o Developed various **scraping** scripts to **automate** regular manual tasks

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- o **Won** a hackathon competing against senior officials and other interns

💻 PROJECTS

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

Course Helper   *(Academic project)*
- o An **android app** to help students during academic registration by opting for the right courses to complete required credits
- o 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