

Dhruv Ishpuniani

dhruv.ishpuniani@gmail.com | +353894857837

linkedin.com/in/dhruv-ishpuniani

github.com/ishpuniani

SKILLS

Programming Languages: Java, Python, C++, JavaScript

Frameworks: Ruby on Rails, Spring Boot, Spring Batch, Spring MVC, Django, Flask, Elasticsearch, Logstash, Kibana, Apache Lucene, JUnit

Databases: PostgreSQL, MySQL, Oracle, MongoDB

Tools: Git, Amazon Web Services (AWS), Maven, Gradle, Jenkins

Software Methodologies: Agile Scrum, Extreme Programming, Test-Driven development

WORK EXPERIENCE

Project YX, Gurgaon, India

Software Engineer

January 2018 – July 2019

- Delivered high-end luxury wardrobe management services by being a member of the core engineering team at the US based start-up.
- Guided two interns by being their Technical Mentor.
- Awarded with ESOPs for saving thousands of man hours of the operations team by:
 - Devising a solution, "Smart Scan", to scan and parse client's order emails and load the order information into their digital closet using *Java*, *Spring Boot* and *Ruby on Rails*.
 - Architecting a scalable solution, "Auto Order", to place orders automatically at the luxury e-commerce portal "Farfetch" using the Farfetch API.
 - Designing a service to track and update shipment information from carriers like DHL, FedEx, UPS and USPS using the EasyPost tracking API.
- Secured a million dollar investment for the organisation by:
 - Doubling the conversions for a US based exclusive luxury multi-brand retailer "The Webster" by building an automated ad campaign management framework for Google as well as Bing.
 - Reducing the page load time of "The Webster" by 60% by refactoring and optimizing the existing code.

Bharti Airtel, Gurgaon, India

Software Engineer

July 2017 – December 2017

- Developed a portal through which numerous international clients can perform transactions online, which were earlier offline, saving thousands of dollars and tons of paperwork using *Spring Boot*, *Java* and *MongoDB*.
- Saved hundreds of man hours of the DevOps team by developing a framework to monitor various metrics such as API hit count, average time taken which are observed throughout the user journey using the *Elasticsearch*, *Logstash*, *Kibana* (ELK) Stack.

NexTag, Gurgaon, India

Software Engineer

July 2016 – June 2017

- Imported millions of products into the distributed database (*Hadoop HBase*) on a daily basis using big data technologies like *Apache Storm*, *Apache Kafka* and *Hadoop MapReduce*.
- Optimized the existing "import" module to decrease the time taken by 40%. Refactored multiple *Spring Batch* jobs to increase overall productivity.

EDUCATION

Trinity College Dublin, The University of Dublin

Master of Science (M.Sc.) in Computer Science – Intelligent Systems

2019 – 2020

Netaji Subhas Institute of Technology, Delhi University

Bachelor of Engineering (B.E.) in Information Technology

2012 – 2016

ACADEMIC PROJECTS

Ongoing:

- Generating ambisonics using audio-visual cues for virtual reality using deep learning (Dissertation Topic) at Trinity College Dublin.

Completed:

- Generated skeletal models of football players from live footage using OpenPose and OpenCV.
- Conceived a map-centric decision-support dashboard for city managers and city service providers to optimise mobility and service delivery in the city of Dublin, Ireland using *Django* framework.
- Performed time-series forecasting of DublinBikes availability for each stand and pollution levels in the city of Dublin using an Autoregressive model.
- Evaluated Reinforcement Learning Agents (Counterfactual Regret Minimization, Deep- Q Learning and Neural Fictitious Self-Play) playing Leduc Hold'em Poker using the *RLCard* framework in *python*.
- Conceptualized a blind dating web application focusing on the user's personality instead of pictures using *flask*.
- Architected a deep learning model using *TensorFlow Keras* to predict a person's income on the basis of a several features provided as part of the Machine Learning module's coursework.
- Utilized *D3.js* to develop a novel visualization technique to visualize data correlation.
- Built *Java* based search engines using *Apache Lucene* on the Cranfield collection and an aggregated collection of news articles.

VOLUNTEER EXPERIENCE

Volunteered in the project "Farm to Folk" as a member of Enactus, NSIT.

- Built a strong, cooperative relationship between and amongst producers and consumers.
- Helped hundreds of families in suburban Delhi by providing a fair income to the local farmers and meeting the healthy food needs of the consumers.
- Educated the surrounding community about farm and food issues.