


# DHRUV KALIA

 dhruvkalia13@gmail.com

 07443672901

 / dhruvkalia

 Hatfield, Hertfordshire

 / dhruvkalia13

## PROFILE

Pursuing MSc. AI and Robotics at University of Hertfordshire. With over 4 years of software development experience with strong interest in machine learning, currently looking for full time opportunities starting from Sept' 21.

## EDUCATION

University of Hertfordshire	MSc. Artificial Intelligence with Robotics (Artificial Life and Robotics, Theory and Practice of Artificial Intelligence, Machine Learning and Neural Networks)	Sept' 2020 – 2021
Amity School of Engineering and Technology, India	Bachelor of Technology (Computer Science and Engineering) First Class Honors (73.26%) (Object Oriented Programming, Java Programming Language, Algorithms, Data Structures, Mobile Computing)	June 2012 – 2016

## PROFESSIONAL EXPERIENCE

**Algorithmics, United Kingdom** Python Tutor (Part-time) Oct' 20 - Present

- Teaching programming using Python language
- Helping children create their own projects and games (Roblox Studio)

**Accenture, India** Software Engineer Feb' 17 – Aug' 20

- Created RESTful APIs to channelize data pipeline between several applications using spring and hibernate framework
- Developed a chat bot for insurance agents using NLTK and tensorflow
- Designed and developed backend architecture using hibernate for an insurance and e-commerce client
- Improved SQL query performance by minimizing number of records to be which reduced the DB response time by 70%
- Developed cron jobs to perform automation on server with incoming data
- Worked on third party integrations for payment and login with RazorPay and JusPay
- Implemented Singleton and Facade design pattern for better code accessibility

**Utopia Innovations, India** Backend Developer (Intern) Sept' 16 – Jan' 17

- Created backend APIs consumed by Android and iOS application
- Developed Social Networking Android Application from scratch
- Adapted Memory Optimization techniques so as to minimize thread utilization of the app
- Followed Material Design Guidelines while setting the theme of the application in the very early stage of development

**Glance Media Technologies, India** Android Application Developer (Intern) Jan' 16 – July' 16

- Wrote modules for social media logins, custom SMS/email login, analytics tracking, push notification support, in app notifications, background syncing
- Scaled to 40K+ users within first 5 months of launch.
- Helped in defining and strategize on all the visual elements of the company
- Standardized guidelines that were used by the content team for all the stories done by Glance as well as images posted on all social platforms

## TECHNICAL SKILLS

- Java
- Python
- R
- HTML / CSS
- XML / JSON
- Pycharm
- Eclipse
- Android Studio
- Net Logo
- Aseba Studio
- Version Controlling (Git)
- Natural Language Processing
- Spring and Hibernate Framework
- RESTful APIs
- JUnit Framework

## CERTIFICATIONS

Machine Learning with Python  
(Coursera)

Mathematics required for  
Machine Learning  
(Coursera)

Data Structures and  
Algorithms  
(Coursera)

## LATEST PROJECTS

### **Predictive-text** (*Python, Flask, Tensorflow*)

**Nov' 20**

Python API which returns the complete sequence based on the input sequence provided. NLP model is trained on a dataset from a Shakespeare's play.

### **B2C Chatbot** (*Python, Azure bot service*)

**Oct' 20**

A chatbot bridging the gap between a consumer and a seller in numerous ways by providing seamless user experience to the customer. An efficient and two-way communication which enables the business to expand its horizons.

### **Kaggle-to-Github** (*Python*)

**Aug' 20**

A python script which downloads kernels and datasets from kaggle and pushes them to your new/exisiting git repository.

## VOLUNTEER

### **Accenture CoderDoJo**

Taught young kids how to code, develop websites, create apps and games.

### **The Education Tree**

Created solutions to provide a common platform for youngsters to follow their passion and enhance their skills.

## ACHIEVEMENTS AND INTERESTS

- **Won Inter State Overnight Hackathon** | Best App Award | IIIT Delhi, India
- **Most Innovative App Developed** | Android App Development Challenge | American Library, India
- **2<sup>nd</sup> Position** | Programming Challenge | AIT Techfest, India