

KUNAL JAGDEEP TOLANI

61, DUNDRUM VIEW DUBLIN 14, DUBLIN D14 DA07

kunaltolani17@gmail.com

+353899428499

<https://www.linkedin.com/in/kunaltolani>

<https://github.com/kunalt4>

PROFILE

I have a strong background in computer science, with a Bachelors in Computer Engineering, and an MSc. in Computer Science from UCD, open to working full-time immediately.

My projects have included Data Science and ML, Web Development and Networks and I have previously trained and worked in the BI and Software Engineering fields.

EDUCATION

- **2019 to 2020** - MSC. Computer Science (Negotiated Learning): **University College Dublin**
Relevant Modules: Machine Learning with Python, Text Analytics, Data Mining, Data Science with Python, Advanced Machine Learning **GPA:** 3.98 / 1st
- **2013 to 2017** - Bachelor of Engineering: Computer Engineering
College Name: Vivekanand Education Society's Institute of Technology (VESIT); **Mumbai University**
Relevant Modules: Cloud Computing, Network Programming Lab, Soft Computing, OOP **CGPI:** 8.11/10

PROFESSIONAL/INTERNSHIP EXPERIENCE

- **March 2022 to Present** - **Software Engineer II, Design System Champion** - **Toast, Dublin**
December 2020 to March 2022 - **Software Engineer** - **Toast, Dublin**
Working as a full stack software engineer on the Backend Off Premise team handling systems relating to order volume, restaurant availability and online order scheduling. As part of the team my responsibilities were including but not limited to: Building APIs and configs in a microservice architecture using Kotlin, building front end Single Page Applications (SPAs) in React, end-to-end handling of multiple projects from requirements to deployment and delivery, performing peer code reviews
Tech stack: Kotlin, React, GraphQL, Java, JavaScript, TypeScript, DynamoDB
- **June 2020 to August 2020** - **Software Engineer Intern** - **HubSpot, Dublin**
Working as a Backend Engineer for the Email Analytics Team -- working with and maintaining data at a large scale using Hadoop, Kafka and HBase. Also, performed some EDA to help determine thresholds and reduce delays with particular events using Pandas.
Tech stack: Java, Hadoop, HBase, HDFS, Kafka, Python, Pandas, Numpy, Matplotlib, Plotly.
- **June 2017 to June 2018** - **Analyst** - **Capgemini, Mumbai**
Trained in the Business Intelligence field, and used tools like IBM DataStage, MS SSIS, SSRS, SSAS and Power BI to extract data, analyse and develop reports on sales data.
Tech Stack: Microsoft SSIS, SSAS, SSRS, Power BI. IBM DataStage. SQL.
- **October 2016 to April 2017** - **Intern** - **Troplay, Mumbai**
Duties: Android App Development, System and Network Admin
Created a prototype for a network of RPis to develop an offline distribution system, where content can seamlessly be viewed. Developed an android app to act as a client to view content - videos, images, ads - that is pushed onto the Pi via AWS servers.
Tech Stack: Android - Java, Bash, Networks, SQL, HTML, CSS, JavaScript.
- **Jan 2016 to Jan 2017** - **Software Development Intern** - **Keyqual Tech, Mumbai**
Duties: Web development, Database management, Android app development
Collaborated with a team of 3 developers and developed a fully integrated hiring portal which targeted the social hiring segment with functions such as Job Search, Applications, and evaluations.
Tech Stack: HTML, CSS, JavaScript, JQuery, PHP, Python, AJAX, Angular JS, JSON, MySQL

PROJECTS

- **FINAL YEAR PROJECT:**

April 2017 - Taxi Fleet Management System

Details: A taxi fleet management project based on NYC Taxi dataset to provide better information to taxi fleets and drivers regarding location and fares using Regression and reinforcement learning.

Tech Stack: Python - Machine Learning - DT Regression and Q-Learning.

Github Link: <https://github.com/kunalt4/Fleet-Management-System>

- **MINOR PROJECTS:**

Apr 2020 - Movie Data Analysis

Details: Used the OMDB API to get details of all movies from the years 2015-2019, and performed data analysis on it.

Tech Stack: Python, scrapy, numpy, seaborn

Github Link: https://github.com/kunalt4/IMDB_Data_FDA

Oct 2016 - FueloPoints

Details: Developed an Android app, FueloPoints, based on an affiliate system showing nearby Petrol and Diesel pumps, using which users can gain points based on the bill and distance to the pump. The points could be used to redeem coupons.

Tech Stack: Android - Java, Google Distance and Maps API.

Github Link: <https://github.com/kunalt4/Fuelo-Points>

- **HACKATHONS:**

Held by **Mastek Pvt. Ltd.**

Title: WatchItTogether

Details: A web-based app that gives suggestions for making movie plans for a group based on every individual's taste.

Tech Stack: HTML, CSS, JavaScript, and SQL.

- **CERTIFICATIONS/COURSES/MOOCs:**

Title: Data Scientist with Python track - DataCamp - Apr 2019

Details: Completed the Data Science track for Python by DataCamp.

Title: MERN Stack Front To Back - Udemy - Mar 2019

Details: Developed a developer connect website with the help of the course using the MERN stack.

Tech Stack: MongoDB, Express.js, ReactJS, NodeJS

Title: Learn Flutter & Dart to Build iOS and Android Apps - Udemy - Jan 2019

Details: Understood the workings of Dart and Flutter, and made a cross-platform mobile app using the same.

Tech Stack: Flutter, Dart

Title: Project in DevOps - Build Real World Processes - Udemy - Aug 2018

Details: A simple project based DevOps course by Eduonix and Udemy.

Tech Stack: Vagrant, Docker, Ansible, Git, and Jenkins.

TECHNICAL PAPERS

Journal Name: International Journal of Advanced Research in Computer Science (IJARCS)

Paper Title: Taxi Fleet Management System

Link: <http://www.ijarcs.info/index.php/ijarcs/article/view/2873/2856>

Review Article, Volume 8, No. 1, Jan-Feb 2017

VOLUNTEER EXPERIENCE

- Sighted volunteer at Be My Eyes.

INTERESTS

- Reading, Cricket