Vivek Kumar Maskara
Email-id : **maskaravivek@gmail.com**
Mobile No.: **+91 - 9910521181**
Website • Github • LinkedIn

EDUCATION QUALIFICATION

DEGREE	INSTITUTE	YEAR	CPI(%)
B.Tech (Software Engineering)	Delhi Technological University, Delhi (Erst. DCE)	2016	73.09
AISSCE, CBSE	Laxman Public School, New Delhi	2011	87.2
ICSE	St. Paul's School	2009	95.6

WORK EXPERIENCE

Directi, Platform Engineer   **June 2016 - Present**

- ○ Rated **one of the two** top performers in a 200+ engineering team in first year.
- ○ Added **2 new** payment modes to Zeta's suite by building contactless payments through NFC & RFID cards.
- ○ Integrated NFC with Zeta's prepaid cards to **enable payments** through tap and pay.
- ○ Responsible for entire development of Zeta's merchant app handles **1 million+** monthly transactions.
- ○ Built custom ordering solution for **POS** devices to cater to large office cafeterias such as Amazon and Wipro.
- ○ Contributed to over **20+ projects** in Zeta; Received appreciation from the CTO.
- ○ Built assistant bot to order food using Google's **conversational AI.**
- ○ Contributed to Zeta's user app with over **1.7 million users**.
- ○ Contributed in building service health monitoring dashboards using **Grafana** and **Kibana**
- ○ Worked on **PostgreSQL** to optimize query performance and throughput
- ○ Speaker on contactless payments, Google Home and Kiosk automation in **Zeta's Tech Conclave**.

PROJECTS

Image Processing project GRAMS for Inweon   **August 2015 - May 2017**

- ○ Used **linear regression** and **segmentation** algorithms to analyze rice particles with **99%** accuracy.
- ○ Used in 100+ rice mills across India with 1000+ readings taken on a daily basis.
- ○ Built windows desktop application to provide an uncluttered interface for rice millers.

Machine Learning project for Flight Departure Delay Prediction   **May 2016**

- ○ Developed flight departure delay predictor using **Bayesian networks**, **Decision Trees** & **Logistic Regression**.
- ○ Achieved an accuracy of 90% with **J48 Decision Tree**.
- ○ Developed using dataset of 100,000+ training examples of flights data from USA BTS.

Machine Learning project for Code Analyzer   **December 2015**

- ○ Used unsupervised **K-means** and **K-medoids** clustering algorithms to detect plagiarism in coding competitions
- ○ Used a dataset of 1000+ programs extracted using **crawler** in Java.
- ○ Achieved high accuracy with **O(nkt) complexity**.

INTERNSHIPS

Times Business Solutions, Software Development Intern   **August 2015 - March-2016**

- ○ Single-handedly built the official Universal Windows Phone app, TimesJobs from scratch.

Directi, Software Development Intern   **June 2015 - July 2015**

- ○ Contributed to the mobile application for Zeta and was instrumental in making the initial version live.

Camp K-12, PHP Intern   **July 2014 - Feb 2015**

- ○ Managed national competition conducted in 100 schools in 10 cities with 1000+ students
- ○ Designed competition engine portal end-to-end & equipped it with public voting tools
- ○ Developed Socho for matching students with tutors on Android platform.

Maplegraph Solutions Pvt. Ltd., PHP & Mobile Developer Intern   **Oct 2013 — Apr 2014**

- ○ Built **Tokkri,** online guide of branded outlets in India, on Windows platform featured in Microsoft Store and [WPcentral](#) blog

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VOLUNTEERING EXPERIENCE

Wikimedia Foundation, Commons app Team   **March 2017- Present**

- ○ Core team member responsible for the development of [Wikimedia Commons](#) app resulting in **4x uploads**
- ○ Reduced the **vandalism** in 2018 to 3.43% as compared to 5.79% in 2017 by introducing detection for blurred and dark images.
- ○ [Mentored students](#) for **Google Code In** & **Summer of Code** in 2017 and **Outreachy** in Round 18.
- ○ Received **IEG**(May '17- Aug '18) worth 5070$, **WMCZ**(Oct - Dec '18) worth 2340$ and IEG(March- December 2019) worth 11,250$ grants from the foundation.
- ○ Led mobile team in Wikimedia Prague pre-hackathon, Wikimedia Vienna Hackathon 2017, Wikimania 2018 and Wikimedia Prague Hackathon 2019 as full **Wikimedia Scholarship** recipient.

TRAININGS

Fundamentals of Digital Image and Video Processing   **June 2019**
- ○ 40-hour online course by Northwestern University (Prof. Aggelos K. Katsaggelos)

Machine Learning: Supervised and Unsupervised Learning   **May- August 2015**
- ○ 70-hour online course by Stanford University (Prof. Andrew NG)

COMPUTER SKILLS

- ○ **App Development:** Window 10, Android and Flutter
- ○ **Programming Languages:** C#, C, C++, Python, Kotlin, Dart and Java
- ○ **Platforms:** Amazon AWS, Windows Azure, Elastic-Search and Firebase
- ○ **Tools:** MATLAB, Kibana, Grafana

AWARDS, CERTIFICATES AND ACADEMIC DISTINCTIONS

- ○ 2nd in Envision, software display event by Troika (IEEE society, DTU)
- ○ 3rd in an all Delhi BITS BYTES event for software display
- ○ 3rd in Codeathon, coding event by Renaissance (IET society, DTU)
- ○ Published over 30 mobile applications with over 1 **million** total downloads
- ○ Awarded **Gold medal** for securing State rank 1 in Macmillan's International Assessment for Computer Skills
- ○ Active tech blogger with 100+ mobile app development tutorials for [Windows App Tutorials](#), [Tutsplus](#)
- ○ Active volunteer and [IEG grant](#) recipient for Wikimedia Commons Android app
- ○ Judged as the best teacher in school on Teacher's day (2008)

POSITIONS OF RESPONSIBILITIES

- ○ Organised Off The Cuff online debating during CSI's annual technical fest, Phoenix 2014 as a **Chief Organizer**
- ○ Organised several workshops and events as a **Microsoft Student Partner** in 2014-15
- ○ Reviewed apps in the Microsoft store as a **Member of Microsoft app review board**
- ○ Conducted daily assembly and annual sports event as a **House Captain** in high school