

ABHISHEK VIJAYAN

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Education

<u>Course</u>	<u>Year</u>	<u>Grade / Result</u>
Master of Information Technology (Specialization in Artificial Intelligence and Bioinformatics), UNSW Sydney	2019 - 2021 (Currently pursuing)	WAM : 76.625 / 100 (Finished 3 trimesters)
BTech in Computer Science and Engineering, National Institute of Technology Calicut, India	2011 - 2015	8.56 CGPA on a scale of 10
VedaVyasa Vidyalayam, Calicut AISSCE (Class 12) Kerala, India	2011	92.4 %

Work Experience

- **Software Developer : Niki.ai** (In Bangalore, India) – Chatbot mobile app to make online transactions as simple as talking to a friend
 - Apr 2018 - Jan 2019
 - Worked on moving Hotels Domain from Java based component to a Python based component - with a view of better multi-language support
 - Involved designing nodes for determining conversation flow and defining NLP grammar for various user utterances
- **Software Engineer I : Vizury** (In Bangalore, India) – a growth marketing technology company : July 2015 - Mar 2018
 - July 2015 - Feb 2016 : In Engage team - Data Management Platform in Vizury
 - Worked on Core-API endpoints for Engage Backend. Core-API is a NodeJS based REST like backend layer for the Engage UI.
 - Set up metrics and alerts for different components in the team using OpenTSDB, Ganglia, Nagios, OpsGenie
 - Mar 2016 - Feb 2017 : In Engage Commerce Team
 - Worked on Real Time Bidding component based on Java.
 - Worked on Facebook marketing API using the JavaSDK for WCA(Website Custom Audience) and DPA(Dynamic Product Ads).

- Mar 2017 - Mar 2018 : In Engage Enterprise Team
 - Worked on feature improvements in the Java based AdServer component which serves customized ads to users
 - For the Notification Bot Channel, built Java Jetty server based tracker component
 - Created a Java module to securely store and access Personally Identifiable Information for Email and SMS use cases
 - Was in-charge of a feature to show near real-time prices on flight banner
 - Using : Java, Kafka, Aerospike, MySQL
- **Product Engineer Intern : Vizury** (In Bangalore, India)
 - May 2014 – Jul 2014
 - Exploration of NodeJS for Campaign Management Tool(CMT)
 - Migrated 2 features of CMT from PHP to NodeJS. Used an MVC architecture for these features.
 - Used HTML, CSS, jQuery, MySQL, NodeJS using Express
 - POC for CMT Centralization - to automatically add new fields
 - Used AngularJS, jQuery, Twitter Bootstrap

Technical Skills

- Java, C, C++, Python
- R, Octave
- MySQL
- Aerospike - NoSQL database
- Kafka
- AWS - EC2, S3

Academic Projects

- Major Project for BTech (in group of 3) : Prediction of Click Through Rates(CTRs) to maximize AUC for advertisement data provided by KDD Cup 2012
 - Method adopted : Algorithms namely Linear regression, Logistic Regression, Neural Network were used as individual models and an ensemble by Neural Network was done.
 - Tools/Languages Used : R, Vowpal Wabbit, C++, Python, Octave
- Named Entity Recognition using Naive Bayes Method
 - Course Project for Natural Language Processing course in BTech – Individual Project
 - Objective :- Classify words in a biological text into 6 classes : DNA, RNA, protein, cell_type, cell_line, other.
 - Generated features and wrote code for Naive Bayes Classification in Python

Online Courses Completed

- Machine Learning : by Prof. Andrew NG in Coursera
- Data Mining with WEKA : by Prof. Ian H Witten from a MOOC by Waikato University
- Introduction to Computer Science – Building a Search Engine : by Prof. Dave Evans from Udacity