

Vinit Vilas Girkar

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TECHNICAL SKILLS :

Languages and Databases: C, C++, Objective C, Java, Kotlin, Swift, Python, R, HTML, CSS, MySQL, MongoDB, Firebase, NodeJS.

Frameworks and libraries: Pandas, Numpy, Sklearn, Tensorflow, Keras, Matplotlib, OpenCV.

Tools, and IDE's: Git, Android Studio, XCode, Anaconda, Jupyter Notebook, Eclipse, IntelliJ.

WORK EXPERIENCE :

Teaching Assistant – Present Company : University of North Carolina At Charlotte Feb 2021 – Present

- Graduate Teaching Assistant for ITSC- 2214 i.e. Data Structures and Algorithms for undergraduate computer science programs
- Responsible for going to class to help students with dynamic learning and solving their questions.

Content Creator – Present Company : Instagram – Charlotte, United States Dec 2021 – Present

- The instagram page is an ultimate self improvement page creating content in the following domains.
 - 1 : Leetcode Problem Solutions.
 - 2 : Motivation Content.
 - 3 : Perspective Content

Junior Software Engineer. Company : Cover Fox Insurance – Mumbai, India Sept 2019 – Aug 2020

- Worked on estimating EMI obligations from CIBIL reports using amortization algorithms. Designed and implemented auto generated CAM report with instant approval metrics. Metrics were developed using correlation analysis and regression models. The report helped to reduce the TAT of credit approval process by around 80%.
- Developed eKYC and eMandate modules for customers to complete the onboarding process seamlessly.
Tech Stack – Java, Spring Boot, RESTful API, Financial Modelling, Machine Learning, Python.

Software Engineer Intern, Company : Suven Consultants – Mumbai, India Jul 2019 – Sep 2019

- Developed A web portal for HR managers to analyse employee data using Bokeh Data Visualization and Data Prediction. It reduced the time of HR managers by 90%.
Tech Stack – AJAX, Bootstrap, Python, Visual Studio.

PROJECTS:

ROUTESPOTTER

Aug 2021 – PRESENT

- A web portal used to create a community of people who can plan and join events such as hiking, visiting football stadiums.
- Designing a responsive website with easy user interface and will be constructing KAFKA messaging queues making the whole project more stable and scalable increasing scale to 83%.
- Implementing large-scale mongo DB solutions for better performance and reliability with Node.js REST API's.

AUTOMATED ESSAY EVALUATION

Mar 2021 – Jun 2021

- Implemented using Natural Language Processing. It aimed to build an automated essay using a data set of nearly 1300 essays from Kaggle.com.
- Extracted features such as total word count per essay, sentence count, number of long words, parts of speech. We used 5-fold cross validation to train and test our model rigorously.
- Model has an accuracy of 80% and it is tested on 1500 essays till now.

IPL PREDICTION SYSTEM

Aug 2018 – May 2019

- Implemented various machine learning classification and regression models such as SVM, Logistic Regression, Random Forest, K-nearest neighbour to predict which team is going to win in the upcoming season.
- Carried out data visualization using seaborn and matplotlib in order to analyse the feature which supported the data which was there from IPL (2008-2020).
- Accuracy: Support Vector Machine: 75 %, Logistic Regression: 78 %, Random Forest: 82 %.

EDUCATION

Master of Science – Computer Science. University : University of North Carolina At Charlotte, Charlotte, NC Jan 2021 – May 2022

Bachelor of Engineering – Information technology. University: University of Mumbai, Mumbai, MH

Jul 2015 – Jun 2019