Omkar Khanvilkar

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Professional Summary

Over 4.5 years of expertise in Software Development and Project Implementation. Data Science graduate student with skills in Machine Learning, Deep Learning, and Data Science looking for Summer 2022 internship opportunities.

Education

Rochester Institute of Technology, Rochester, NY **August 2021 - Present**
Master's in Data Science GPA: 3.56/4
Courses: Software Construction (Java), Foundations of Data Science and Analytics, Applied Statistics
Upcoming Courses: Big Data, Database Design and Implementation, Applied Data Science I & II, Graduate Capstone

Mumbai University, Mumbai, Maharashtra **September 2012 - June 2016**
Bachelor of Science, Computer Science GPA: 7.6/10
Courses: ERP Systems, Data Stature, Database Management System, Microprocessor, Analysis of Algorithms

Data Science Projects

- **Analysis of the watch time of the Hotstar users to predict the user sentiment (Real World Data)**
  - Hotstar is a leading streaming platform with 100+ Million users and 35,000+ hours of accessible content.
  - Analyzed data to create tailor-made recommendations and content for the Hotstar users. Created Exploratory Data Analysis.
  - Forecasted users sentiments for Hotstar to improve the content and increase watch time.
  - Trained and compared 4 different models with and without hyper parameters, and XGBoost model provided the best results with accuracy of **71%.**

  Skills: Pandas, Sklearn, Seaborn, Imblearn, Matplotlib, Pickle
  Models: Decision tree, Logistic Regression, Random Forest, XGBoost
  GitHub: https://github.com/khanvilkar-omkar/Hostar_User_Sentiment.git
- **Image Classification**
  - Used Keras and CNN for binary classification problem with two animal classes.
  - Loaded images from the folder and created training and testing dataset using Keras's ImageDataGenerator.
  - Used features of Keras ImageDataGenerator for resizing, normalizing, and assigning classification type on the fly were used.
  - Accuracy score after 20 epochs was **80%.**

  Skills: Kerlas CNN, Pandas, Sklearn, Seaborn, Imblearn
  GitHub: https://github.com/khanvilkar-omkar/Dog-CNN-Classifier.git
- **Airbnb Data Analysis**
  - Implemented two applications called Boosting Reservation and Price Prediction using AirBnb dataset.
  - Trained a multivariate regression model for Boosting Reservation that helped hosts to boost their reservations.
  - Developed Price Prediction model using a Linear Regression algorithm which used a classification model as input that would find out best neighbourhoods in a city. Price Prediction is used to predict prices of Airbnb according to traveller's demand of Airbnb.

  Skills: Python, sklearn, pyodbc, Microsoft SSMS

Skills

Programming Languages:	Java, Python, MATLAB, XML, CSS, JavaScript, C++, HTML
Key Skills:	Data Visualization, Predictive Analysis, Data analytics, ML Algorithm, Model Development
Databases:	SQL/MySQL, Microsoft SSMS, Oracle, MongoDB
Data Mining:	NumPy, Pandas, sklearn, Multiprocessing, Database Management
Machine/Deep Learning:	Decision Tree, Logistic Regression, Random Forest, XGBoost, Keras-CN

Employment History

SAP Advanced Business Application Programming Consultant **October 2016 - July 2021**
Larsen & Toubro InfoTech, Mumbai

- Developed and customized Web Dynpro Java applications for accessing RFC enabled BAPIs and Web Services using NetWeaver Development Studio (NWDS) Implement Interactive, AVL Report, Smart forms, and Module pool.
- Worked on customizing and expanding the standard Fiori Apps and extending OData services.
- Designed and developed responsive UI5 Application for Desktop, Mobile and iPad using RFC, ABAP, OData, sap.m libraries, AJAX, CSS3, SAPUI5, and JQuery. Worked on alteration of existing applications using UI5 Theme Designer Developed OData model which consumes Oracle database of ArcGIS and deployed it in SMP3 Integration Gateway.

Skills & Technologies: SQL, ABAP, Java, ABAP Web Dynpro, SAP ERP, RFC, OData, UI5, BAPIs

Training and Certification

- **University of California, Davis** | SQL for Data Science - Data Visualization with Tableau
- **Stanford University** | Machine Learning
- **University of Michigan** | Python Data Structures