

SAHIL KIRPEKAR

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Education

The University of Texas at Dallas

Master of Science in Computer Science

CGPA: 3.78/4

Dallas, Texas

August 2021 – May 2023

University of Mumbai

Bachelor of Engineering in Computer Engineering

CGPA: 8.82/10

Mumbai, Maharashtra

August 2016 – October 2020

Technical Skills

Languages: Python, Java, R, JavaScript

Databases: MySQL, PostgreSQL, MongoDB

IDE: Jupyter Notebook, Visual Studio Code

Frameworks: Flask, Django, Express, Node.js

Others: Machine Learning, Data Science, Web Programming

Experience

Data Science Intern - The Sparks Foundation

June 2020 – July 2020

- Applied analytical methods to publicly available datasets in order to analyse performance of Machine Learning models on training and testing data.
- Implemented EDA process in Python 3 via Jupyter Notebook.

Data Science Intern - Central Drug Research Institute

May 2019 – June 2019

- Performed Web Scraping using Python.
- Organized, collected and cleaned university databases as a part of a research project.

Web Developer Intern - The Sparks Foundation

March 2019 – April 2019

- Performed basic frontend and backend website development using HTML5, CSS3, and JavaScript.
- Built a REST API using PHP for implementation of CRUD operations.

Projects

Stock Price Prediction with RNN

- Implemented a Recurrent Neural Network (RNN)-based Stock Price Prediction Model from scratch.
- The generated model aims to predict closing stock prices for Armada Hoffler Properties Inc (AHH) stock over a whole period of timestamps from 1970 to 2018.

Book Recommendation System

- Developed a content-based book recommender web application.
- Implemented in Python Flask Web Framework, SQLAlchemy and basic web development libraries.

Diamond Price Predictor App

- Created a Machine Learning web application in Python to predict diamond prices using Random Forest Regressor model resulting in over 98% model accuracy.

Breast Cancer EDA

- Built an EDA project in order to determine parameters and accuracy for the recurrence of a cancerous tumour.
- Programmed in NumPy, Pandas, Matplotlib, Seaborn and scikit-learn.

Certifications

Data Structures with Python by the University of Michigan – Coursera

Machine Learning and Data Science Bootcamp – Udemy

Using Python to Access the Web – Coursera