Mansi Pravin Thanki

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A results-driven versatile software engineer pursuing master's in CS and seeking Summer 2022 internship.

EDUCATION

NORTHEASTERN UNIVERSITY
MS IN COMPUTER SCIENCE
Exp Grad May 2023 | Boston, MA

SPPU (Pune University)
B.E IN COMPUTER ENGINEERING
Grad May 2020 | Pune, India
GPA: 8.92 / 10

COURSEWORK

1. Programming Design Paradigm
2. Foundations of Artificial - Intelligence
3. Algorithm
4. Information Retrieval

TECHNICAL SKILLS

Languages

SQL • Java • C# • C/C++ • JavaScript R• Python

TOOLS

SSMS • Visual Studio 2019 • RStudio • IntelliJ IDEA • Jupyter Notebook • Selenium • AWS CodeCommit • PyCharm

SKILLSETS

- Computer Science fundamentals
- Data Structures and Algorithms
- Object Oriented Programming
- OS: Windows, Mac, Linux/Unix
- Backend Developer
- Strong Communication, Analytical and Problem-solving skills
- Motivated and self-driven

ACHIEVEMENTS

- "Star Employee" award for exceptional performance at Infogen Labs
- Valedictorian of Computer Engineering department in bachelor's program

EXPERIENCE

INFOGEN LABS | SOFTWARE ENGINEER
Nov 2020 – August 2021 | Pune, India

- Worked on building a training hub for individuals who treat ASD. Used test-driven development and agile methodology.
- Designed payment subscription module to enable multi-course purchase for the users using ASP.NET.
- Developed a stored procedure to find users whose subscription is going to expire and sent an email notification through SendGrid.
- Integrated Calendly into client website with an additional feature of auto routing to designated sales representatives using JavaScript, CSS and HTML; helped the client reduce costs by 50%.
- Responsible for adding new courses & their metadata into database.
- Orchestrated software production deployments, formed project estimates, created project deployment plans and roll back plans.
- Tools and technologies used: C#, ASP.NET MVC, JavaScript, AWS Code Commit, SSMS, Visual Studio 2019, JIRA, Confluence.

MAJOR PROJECTS

News Articles Classification and Summarization

- Built ML model for classifying the new articles into the various categories using SVM, KNN and Naive Bayes algorithms. Further summarized the text using Latent Semantic Analysis, Text Rank Algorithm and K-Means algorithm to make it easier for the user readability. Language: Python

Realtime Corona Virus Outbreak Notification System

- Developed a Python notification application to provide the real time COVID-19 data to the user by performing web scraping on MoHFW India **Tools Used:** Visual Studio Code, Beautiful Soup, Plyer, Tkinter

Road Sign Recognition using CNN

- Used Convolutional Neural networks and python libraries to classify road signs present in the images into different categories which is useful for autonomous vehicles. Accuracy achieved by this model is 95%. **Libraries used:** TensorFlow, Keras, PIL, Matplotlib, Sklearn, Pandas, Numpy. **Tools:** Jupyter, Tkinter

Forensic Investigation of OS Logs

- Developed a tool for Cyber Forensic Experts to detect tampering of OS logs using cryptographic hashes, Anomaly detection using timestamp-based method and Event correlation using semantic rule-based method

Personality Prediction System

- Built ML model for classifying persons based on their characteristics and finding groups of people with similar characteristics from a dataset using logistic regression, decision trees, K-means clustering in Python.
- Used data mining concepts like missing value handling, Normalization, discretization while exploring data. **Libraries used:** Pandas, NumPy & Sci-kit learn. **Tool Used:** RStudio, Selenium