DEEP PANCHOLI
APPLICATIONS DEVELOPER - II @ ORACLE

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Employment

Oracle, *Applications Developer II*, Bengaluru, Karnataka Aug. 2022 - Current
Supply Chain Management > Oracle Transportation Management(OTM) > Sourcing (Transportation Services Procurement)
Responsible for:
- **Development of crucial enhancements and code fixes** for a Full Stack OTM web app [*Java, JavaScript, Oracle SQL & Oracle Cloud*]
- **Enhanced Routing and ETA Prediction** in Logistics Strategy **using Machine Learning** [*Oracle ML, Python, Django*]

Intel Corporation, *Graduate Technical Intern*, Bengaluru, Karnataka Aug. 2021 - July 2022
Intel Graphics > GPU Software Development Engineering > Display Team:
Responsible for:
- **Debugging critical** Windows Display Driver **issues** [*Python, C*]
- **Research to reduce touchscreen stylus latency** with Intel graphics drivers.
- **Development of Windows Desktop App** to support the research mentioned above [*C#*]
- **Development of Jira and MS Excel Connector** [*Visual Basic for Applications*]

Certifications Obtained:
- Artificial Intelligence Levels 1 & 2
- Computer Vision with Deep Learning on Python

Education

Amrita Vishwa Vidyapeetham, Coimbatore Sept. 2020 - Aug. 2022
Masters of Technology [MTech] Computer Science and Engineering 2022
CGPA: 8.3
Case Studies: Folding@Home, BOINC [Distributed Systems]
Appointed as Co-Chair of Association of Students of Computer Science for Information Interchange [ASCII]

Government Engineering College, Gandhinagar [Gujarat Technological University] June 2016 - June 2020
Bachelors of Engineering [BE] Computer Engineering 2020
CGPA: 8.6

Skills

Programming Languages: Python, Java, JavaScript, C, C#
Tools: VSCode, Eclipse, Git, Oracle Database, Oracle Cloud Infrastructure, JIRA, Visual Basic for Applications
Areas of Interest: Data Structures and Algorithms, Object Oriented Programming, Machine Learning & Data Science, Agile Methodology, Artificial Intelligence for Finance

Projects

Study of Cold-Start Product Recommendations and Its Solutions July 2021 - Aug. 2023
Proposed a **hybrid model** with item–item collaborative filtering using a graph, user–user collaborative filtering based on textual reviews and ratings, and demographic data **to generate accurate product recommendations** that address the cold-start issue.
- Presented in: International Conference on Data Management, Analytics and Innovation [*ICDMAI 2023*]
- **Published** in: Lecture Notes in Networks and Systems, vol 662. **Springer**

Electives Management System Mar. 2021 - July 2021
Full-stack web app that enables universities and students to manage elective subject preferences. [*NodeJs + ReactJs + PostgreSQL*]
Frontend Repo: https://github.com/pancholi-deep/emsfrontend

Battle of Neighborhood Restaurants [Data Science] Apr. 2020 - May 2020
- **Analyzed the restaurants** in the neighbourhoods of Ahmedabad and Surat cities to **understand popular cuisines and trending places** to eat.
- **Business analysis** of opening a restaurant and **comparison of investing in two cities**.

Object Detection for Home Renovation Aug. 2019 - Aug. 2020
- **Android-based** application with **Python backend**
- Supports **real-time object detection** and **recommendation engine for household items** like furniture and appliances.
- Collected a **custom dataset** from Google Open Images Dataset of Furniture items and **fine-tuned YOLOv3** on it for Real-time Furniture object detection.

Certifications

Supply Chain Management Specialization Aug. 2023 - Current

Google Project Management: Professional Certificate Sept. 2022 - Dec. 2022

AI & ML Certification: Defence Institute of Advanced Technology Feb. 2021 - May 2021

IBM Data Science Professional Certification Jan. 2020 - May 2020