

CATHERINE MATTATHIL

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Dubai, UAE | Valid UAE Golden visa | Valid UAE driving license

CAREER OBJECTIVE

BSc(Hons) Computer Science graduate seeking a job opportunity in a reputed organisation to utilise existing skills in programming with dedication and determination for the growth of the organisation as well as to gain experience and knowledge in the field of information technology.

WORK EXPERIENCE

➤ Air Liquide Middle East and India Holding Ltd, Dubai, UAE

Nov 2022 – March 2023

Procurement Analyst Intern

- Researched and recommended marketplace platforms for streamlining indirect procurement
- Researched and recommended market intelligence platforms for managing inflation variable cost
- Acted as a liaison between potential suppliers and stakeholders regarding scope of work, product requirements and pricing

EDUCATION

➤ Bachelor of Science in Computer Science (Data Science) 2022

with Honours of the First Class

Heriot-Watt University, Dubai, UAE

Applied Text Analytics | Big Data Management | Data Mining and Machine Learning | Biologically Inspired Computation | Statistical Modelling and Analysis | Data Communications and Networking | Artificial Intelligence and Intelligent Agents | Software Engineering | User-Centred Experimental Design | Software Design | Database Management Systems | Data Structures and Algorithms

➤ Grade 12 2019

The Emirates National School, Sharjah, UAE

ACADEMIC PROJECTS

➤ A Comparative Study of Women in Filmmaking: Hollywood vs Bollywood (Dissertation)

21st April 2022

- Final year Honours project
- The representation of women filmmakers in Hollywood and Bollywood and its impact on movie success was investigated.
- Jupyter Notebook was used for coding in Python.

- The scikit-learn library was used for machine learning.
- Explored and visualized the datasets and their attributes.
- Pre-processed the data and performed feature extraction
- Predicted the missing gender for names in the datasets using a classifier model
- Investigated a few research questions using two different machine learning algorithms
- Documented the entire process extensively
- Achievement: 'B' grade

➤ **Focal – Software Engineering (Group project)**

1st April 2021

- Worked along with 7 BSc Computer Science students.
- A photography-based social media platform, mainly aimed at photography enthusiasts and where photos of people cannot be uploaded.
- Used ReactJS, CSS3, Bootstrap, Firebase. HTML5, NodeJS and JavaScript.
- Identified the user requirements for the platform.
- Identified the potential risks involved throughout the project and ways to manage them.
- Created a Gantt chart that detailed the various tasks involved in the project.
- Designed the experiment for testing the usability of the platform (test plan, testing protocol & pre-test and post-test questionnaires)
- Worked on the front-end development, authentication and the user search functionality of the application.
- Documented the progress of the platform development extensively.
- Achievement: 'A' grade

SKILLS

➤ **Development Tools/Softwares:**

Jupyter Notebook, Visual Studio Code, Sublime Text, MS Office, UMLet, GanttProject, Figma

➤ **Programming Languages:**

Python, MySQL, HTML5, CSS3, JavaScript, ReactJS

➤ **Languages:**

English (native proficiency) and Malayalam (native proficiency)

ADDITIONAL CERTIFICATION

- Next Level Certificate (issued by L'Oréal and Nestlé) **2022**

AWARDS AND ACHIEVEMENTS

- Deputy Principal's Award for academic excellence in Year 3 **2021**
- Merit certificate for achieving outstanding results in Grade 12 **2019**
- Silver medal for shot put in Grade 11 **2017**
- Merit certificate for achieving outstanding results in Grade 10 **2017**