
EMPLOYMENT

Software Engineer, Platos.

Aug 2020 – Nov 2021

- Collaborated with the development team to enhance and troubleshoot a web application using modern JavaScript frameworks.
- Devised and executed an automated system utilizing tools such as React, Node.js, and Google Cloud Functions to create food vouchers/coupons, leading to a 38% increase in employee and guest engagement in cafeterias.
- Conceptualized and implemented reusable web components using React functional components, and Redux state management, contributing to the efficiency and maintainability of the application.
- Utilized Google Firebase to implement Authentication, Storage, Real-time database, and Google Cloud Functions, ensuring that the application was secure, scalable, and reliable.

Software Engineer Intern, Virtusa.

May 2019 – July 2019

- Devised a deep learning model and built a user-friendly Flask-based web application which successfully generates meeting of minutes insights from audio file.
- Trained the model using LSTM algorithm to summarize meetings using Python libraries such as Vader Sentiment Analyzer, spaCy, Matplotlib and NLTK; Natural Language processing and IBM cloud technology: Speech-to-Text conversion.
- Extracted and represented valuable insights which includes positive and negative word clouds, topics discussed, confidence comparison, and sentiment comparison using Matplotlib python library.

EDUCATION

Concordia University, Canada.

Jan 2022 - Present

- Master's in Applied Computer Science, Co-op Graduate, GPA: 3.67
- Graduate Coursework: Artificial Intelligence, Advanced Programming Practice, Algorithm design techniques, Programming and problem solving, Big Data Analysis, Distributed System Design, and Computer Network.

University of Pune, India.

Aug 2016 – Nov 2020

- Bachelor of Engineering in Information Technology, GPA: 8.21
- Undergraduate Coursework: Operating Systems, Database Management System, Algorithms, Programming Languages, Object oriented programming, Machine learning.

TECHNICAL EXPERIENCE

Projects

- **AI Face mask detection (Machine learning Model)** Trained a Convolutional Neural Network model to analyze face images and detect whether a person is wearing a mask or not, the type of mask being worn, and whether the mask is worn correctly. Achieved an accuracy of 73.4% on the validation model. Python, OpenCV, NumPy, Pandas, Scikit learn.
- **Steam Game Recommendation System (Big Data Model)** Devised a model to recommend games based on user's behavior by applying preprocessing methods and performing exploratory data analysis on the dataset using PySpark (Big Data Framework). Trained and compared Cosine Similarity and Matrix Vectorization algorithms on the dataset.
- **E-commerce (Web Application Development)** Designed and developed a full-stack e-commerce web application that enabled local businesses to register and sell their products. React, Node.js, Express.js, MongoDB, AWS.

Languages and Technologies

- **Programming Languages:** Python, Java, JavaScript, SQL.
- **Machine Learning & Data Science:** Pandas, Numpy, Keras, Matplotlib, Scikit-learn, Basics of Cloud Computing, ANN, CNN, TensorFlow, PyTorch, PySpark, AWS services, Seaborn.
- **Design and Simulation Software:** Microsoft SQL Server Management Studio, Jupyter Notebook, Google Colab, Firebase, Linux, Google Cloud Platform, Git, GitHub.
- **Web Application Development Technologies:** React, Angular, Redux, Express.js, Node.js, HTML, JSON, REST API, Web Services, CI/CD, NoSQL.