Nidhi Trivedi

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Education

- **Centennial College** — Toronto, Canada
  Software Engineering Technology-Artificial Intelligence; GPA: 3.78/4.5 — *01/2021 - 04/2022*
  Courses: *Web Development, Data Structures, Mobile Application Development(Android) , Artificial Intelligence, Machine Learning Algorithms, Natural Language Processing , Neural Network , Deep Learning , Networking, Cloud Computing*
- **M.B Institute of Technology** — Gujarat, India
  Bachelor of Engineering in Information Technology ; GPA: 8.70/10 — *08/2016 - 05/2020*
  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Python , Java Networking, Web Development*

Skills

- **Languages**: Python, JavaScript, JAVA, C++, HTML, CSS
- **Frameworks**: React.js, Node.js, Express.js, Scikit, Numpy, Pandas, NLTK, SpaCy, TensorFlow, BeautifulSoup, Matplotlib, Keras, Flask
- **Databases**: AWS, MySQL, Oracle, MongoDB, Linux
- **Others**: Agile Methodology, REST API, JSON, Git, Jira

Experience

- **GMM PFaudler**
  Apprentice Engineer — *08/2021 - 10/2021*
  - Website developed with user authentication using NodeJs and ExpressJS with user login functionality.
  - Knowledge of Cloud service providers including Salesforce, LN , ERP
  - The sense of urgency and performed tasks within timeline
  - Established open and professional relationship with team members which facilitated communication, quickly resolving issues and conflicts.

Projects

- **Intelligent Search : AI Based Web Application — Link to Checkout**:
  A full-stack web application capable of answering user questions using AI and ML.
  Implemented APIs that translates written responses to speech by using gTTS library.
  Created dynamic responsive UI with functionality using React.js which integrated by python flask.
  Build RESTful APIs with CRUD operations, features of upload,download any files.
- **Human Emotion Detection : AI Based Application — Link to Checkout**:
  An AI application developed with Python's ML libraries such as Numpy, OpenCV , Keras which can identify humans' emotions.
  Three main components were used in implementation, Image processing, Feature Extraction, Feature Classification.
  Coordinates are used to locate and represent the significant facial features such as eyes, eyebrows, nose, mouth and jawline.
- **Card Scanner (Cloud Computing - AWS) — Link to Checkout**:
  A website developed with the team where users can enter information and, through AWS Cloud Services.
  Used services such as Amazon Cognito, Amazon SES, and Amazon Textract, the text from the card is extracted and sent to the user's registered email address.
  Implemented APIs by using Python Chalice, Boto3, and fetched with axios in the React. Features are included of Search the user by name and authentication by using AWS services.
  Users of the application can also view and update data that has been filled out in a webform using AWS AI services. Business card data is saved in the DynamoDB database so that it may be viewed and searched for subsequently.
- **Web Scraping - Beautiful Soup — Link to Checkout**:
  Complied Weather Forecast data for analysis by performing web scraping in Python.
  By importing libraries of Python's HTTP requests, Pandas, BeautifulSoup , extracted the name of the forecast item, short description and temperature.
- **Sentiment Analysis - Natural Language Processing**:
  Using the Amazon Products dataset, the text data was cleaned and pre-processed in order to examine the sentiment of reviews, which were positive, negative, and neutral. Data visualization was also used to determine the ratio.
  Two approaches were used to segment the project , Lexicon Approach - Libraries used TextBlob and VADR
  ML Approach - Different Supervised Learning Algorithms were used to check the accuracy after applying necessary steps for Machine Learning such as Data Augmentation, handling an Imbalanced dataset, and Text Representation techniques.

Certification

Certification of Amazon Web Service : Going Cloud Native in which acquired several amazon services