

UDDHAV BHAGAT

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EDUCATION

University of Michigan, Ann Arbor, MI

BS in Computer Science & Data Science

Ann Arbor, MI

Sep 2018 - May 2022

- **GPA:** 3.86/4.0
- **Relevant Coursework:** Data Structures and Algorithms, Introduction to Data Analytics, Computer Organization, User Interface Development, Database Management Systems, Data-Oriented Programming, Linear Algebra

EXPERIENCE

Dream11

Software Engineering Intern

Mumbai, India

June 2020 – Aug 2020

- Enhanced sports streaming experience for 90,000+ users by developing a TensorFlow Lite logistic regression model for real-time screen size and video quality recommendations
- Developed a Java wrapper for hosting TFLite model and communicating with a React Native front-end for preference-based content rendering for each user
- Improved the UI by creating a minimized-viewing feature in React Native, enabling simultaneous viewing and scrolling which increased positive customer experiences by 32%

Michigan Data Science Team

Project Lead

Ann Arbor, MI

Jan 2020 – May 2020

- Led a project to investigate the nutritional values and trends in the meals provided by our campus dining halls to improve the quality of meals provided on campus
- Achieved an accuracy of 79.2% by engineering a KNN classification model to categorize food items into healthy and non-healthy buckets, helping students make an informed choice about their meals
- Built a linear regression model yielding 84.7% accuracy to predict the nutritional values of newly introduced items to enable dining halls to list nutritional information for items more accurately and easily

OnProcess Technology

Data Analyst Intern

Kolkata, India

July 2019 – Aug 2019

- Collected, sorted, and analyzed historical data of frequent customer requirements and complaints to improve internal employee training programs which increased agent efficiency by 12%
- Contributed to a 6.3% increase in customer retention rates by developing a classifier to identify specific experiences that led to low customer satisfaction rates
- Implemented an NLP Sentiment Analysis model to understand the key trends and insights on the conversations between the agents and customers to improve internal troubleshooting protocols

PROJECTS

TuneIn

Node.js, Express.js, React.js, Redux, Spotify API, Microsoft Cognitive Services API

June 2020 – July 2020

- Built and deployed a web application that uses computer vision to analyze the user's environment and provides an original playlist of music based on the user's surroundings
- Designed the authentication feature using the OAuth 2.0 flow to enable users to log in and keep track of their playlists

Emaily

Node.js, Express.js, React.js, MongoDB, Redux, SendGrid API

May 2020 – June 2020

- Developed a web application that allows users to send custom surveys, track their responses using Webhooks, and analyze the feedback/response through visual dashboards
- Integrated the application with the Stripe API to enable payments from the customers using this application

Piazza Post Classifier

C++

Sep 2019 – Nov 2019

- Modeled a program to automatically classify the subjects of Piazza (Q&A web service) posts by training a Naive Bayes' NLP Classifier model using log-prior probability scores
- Achieved an accuracy of 87.1% when predicting the subjects of 3000 posts

SKILLS

Programming: C++, Python, Node.js, React, Express.js, JavaScript, HTML/CSS, SQLite, MongoDB

Tools: Git, XCode, Visual Studio, Microsoft Excel, Word, PowerPoint