Uddhav Bhagat

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EDUCATION

University of Michigan, Ann Arbor, MI **Ann Arbor, MI**
BS in Computer Science & Data Science *Sep 2018 - May 2022*

- **GPA:** 3.86/4.0
- **Relevant Coursework:** Data Structures and Algorithms, Introduction to Statistics and Data Analytics, Discrete Mathematics, Data-Oriented Programming, Linear Algebra

EXPERIENCE

Dream11 **Mumbai, India**
Software Engineering Intern *June 2020 – Present*

- 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 **Ann Arbor, MI**
Project Lead *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 **Kolkata, India**
Data Analyst Intern *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 *June 2020 – July 2020*
Node.js, Express.js, React.js, Redux, Spotify API, Microsoft Cognitive Services API

- 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 *May 2020 – June 2020*
Node.js, Express.js, React.js, MongoDB, Redux, SendGrid API

- 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 *Sep 2019 – Nov 2019*
C++

- 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