Uddhav Bhagat

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EDUCATION

University of Michigan, Ann Arbor, MI   **Ann Arbor, MI**
BS in Computer Science & Data Science   *2018 – Present*

- **GPA:**   3.87/4.0
- **Relevant Coursework:**   Data Structures and Algorithms, Introduction to Statistics and Data Analytics, Discrete Mathematics, Data Oriented Programming, Linear Algebra
- **Activities & Societies:**   Michigan Data Science Team (Project Lead), Collegiate Soccer Society (Founder)
- **Awards/ Honors:**   All semesters University Honors, James B. Angell Scholar

EXPERIENCE

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

- Enhanced the match viewing experience for 80k+ users by deploying a TensorFlow Lite logistic regression model to make real-time decisions for suggesting a default screen based on their past activities
- Developed a native Java wrapper to host the TFLite model and communicate with the React Native front-end to render content based on the user's preferences
- Improved UI by creating a mini-view feature in React Native allowing users to continue watching the video while scrolling through the application

Michigan Data Science Team   **Ann Arbor, MI**
Project Lead   *Jan 2020 – May 2020*

- Spearheaded complete project pipeline to investigate the nutritional values and trends in the meals provided by Michigan dining to improve quality of meals provided on campus
- Achieved an accuracy of 79.2% by engineering a KNN classification model to enhance nutritional intake of students by categorizing food items into healthy and non-healthy buckets
- Built a linear regression model yielding 84.7% accuracy to predict the nutritional values of newly introduced items

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 agent training models and reduce agent turnaround times by 12%
- Implemented an NLP Sentiment Analysis model to understand the key trends and insights on the conversations between the agents and customers
- Contributed to a 6% increase in customer retention rates by developing a classifier to identify specific experiences that led to low customer satisfaction rates according to a custom satisfaction index

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 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++

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

SKILLS & INTERESTS

Skills: C++, Python, JavaScript, Node.js, MongoDB, React.js, TensorFlow, HTML, CSS, SQL
Interests: Soccer, Cricket, Financial Markets, Private Equity, Fashion, Blockchain, John Mayer