

Jaydeep Bajwa

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EDUCATION

University of Michigan | Bachelor of Science in Engineering, Data Science - Expected Apr. 2023

- GPA: 3.39 / 4.00
- Majoring in Data Science
- Relevant courses: Accelerated Introduction to Computers and Programming (EECS 183), Discrete Mathematics (EECS 203), Programming and Introductory Data Structures (EECS 280), Data Structures and Algorithms (EECS 281), Applied Regression Analysis (STATS 413), Web Systems (EECS 485), Data Mining (STATS 415)
- Honors and Awards: University Honors 2019

PROJECTS

EECS 281 Project 4: Among Us | C++, Jun. 2020 • Created algorithm to generate minimum spanning tree for given coordinates, utilizing Prim's Algorithm • Wrote an efficient estimation algorithm for solving the travelling salesman problem by using heuristics • Utilized branch and bound algorithm to find optimal path for travelling salesman problem

EECS 280 Project 5: Machine Learning | C++, Apr. 2020 • Utilized natural language processing and machine learning techniques to create a program to label posts on class forum • Wrote Multivariate Bernoulli Naive Bayes Classifier to label new posts, ideal for classifying short texts • Selected most probable label by calculating log-probability score for each label

EECS 485 Project 4: Map Reduce | Python, September 2021 • Created a MapReduce server in Python • Implemented MapReduce infrastructure on the backend consisting of a Master program and "worker" CPU's, scalable up to thousands of computers with customizable tasks.

EECS 485 Project 3: Instagram | Python, SQL, HTML, Java • Built a full-stack application of a search engine with Instagram pages as the data set • Built an Instagram clone • Utilized a REST API and multiple servers to create, assign, and execute tasks, retrieve data, and display results to the user • Implemented SQL database to store search and page information. Created a full-stack application of a search engine with all Wikipedia pages as the data set

EXPERIENCE

Intern Delmar Group Jun. 2021 - Jul. 2021 Remote

- Created silos to streamline customer service and made sure every department saw the same customer profile with all relevant data needed to best support each customer.
- Analyzed and presented to different departments where necessary.

Michigan Electric Racing Aug. 2020 – Dec. 2020

- Data Analyst for the school's electric racing team. Responsible for analysis, that lead to improvements in the specs and design of the car.

SKILLS

C++ | Python | JavaScript | SQL | MATLAB | R | Git | HTML | Jinja | Java | CSS | Microsoft Office / Excel