ABIZER MAMNOON

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EDUCATION

Claremont McKenna College – Claremont, CA   **May 2025**

Bachelor of Arts in Computer Science and Economics Dual Major with concentration in Data Science

- GPA: 3.98/4.0
- Relevant Coursework: Big Data (IP), Statistical Inference (IP), Probability, Econometrics, Corporate Finance, Introduction to Data Mining, Data Science and Statistical Learning, Data Structures and Algorithms, Linear Algebra, Intermediate Microeconomics, Intermediate Macroeconomics, Accounting for Decision Making
- Awards: Dean's List 2022, Dean's List 2023, Gossett Statistics Prize Finalist

EXPERIENCE

Lowe Institute of Political Economy – Claremont, CA   **Feb 2023 – Present**

Student Manager / Economic Journalist

- Collaborate with fellow economic journalists to assist in the development of econometric models, data research, literature analysis, contributing to the successful completion of 4 articles per month during the semester
- Drafted article published on website about economic impact of independence of Ontario International Airport from Los Angeles County incorporating regression analysis using Stata to study trends over time

Ernst & Young – Mumbai, India   **May 2023 – Aug 2023**

Full Stack Developer / Project Manager (Hybrid)

- Engineered backend Python Flask to process more than 7 million rows of data for frontend React web app
- Designed frontend React web app, enabling users to upload multiple files, join files, manipulate data, and visualize data using Apache ECharts scatter plots, bar charts, pie charts, doughnut charts, line charts, heatmaps, box plots
- Conducted bi-weekly meetings with the lead data scientist and senior manager to share project progress, gather feedback on next steps, and discuss potential enhancements completing Stage 1 of year-long project

Talent Engines – Greater Birmingham, AL   **May 2023 – Aug 2023**

Machine Learning Engineer (Remote)

- Designed knowledge graph-based chatbot streamlit interface using GPT-4 allowing users to query neo4j database containing information about law school graduates in the US
- Prompt engineered GPT-4 to generate cypher queries and answer 20 commonly asked user prompts
- Produced a 2-minute Loom video tutorial and authored accompanying documentation for chatbot aimed at executives

Ready State – San Francisco, CA   **May 2022 – Jul 2022**

Research Intern

- Pioneered big data journalism at Ready State by cleaning a big dataset consisting of 2000 rows from Kaggle using Open Refine, Google Sheets and building a 3-page report on Google Data Studio
- Developed and investigated 4-week results of LinkedIn advertising campaign for a startup achieving 122 e-mail signups, 25 calls, and 6 hosts, reduced cost per e-mail signup by 68%, and created a 2-page report pitched to clients
- Measured reach of Ready State blog articles for 3 clients by analyzing performance of more than 15 articles on Twitter, LinkedIn, and Facebook and scrutinizing client-provided Tableau analytics, and creating a 25-page report also advising Ready State to post blog articles on social media accounts to increase reach
- Authored case studies of past projects to show to prospective clients and conducted competitor analysis of top companies in the Bay Area to inform Ready State strategy, product, creative & social media marketing

PROJECTS

Predict Drug Satisfaction   **May 2023**

- Using keras deep learning model to predict drug satisfaction ratings (out of 5)

waam   **April 2023**

- Using GPT-4 to help students get help from an AI tutor anywhere in the world

Crime Statistics in the US   **Jan 2023**

- Using NumPy, Pandas, Matplotlib, Seaborn, Hvplot.pandas to explore distribution of crimes in US states to formulate re-entry programs for ex-prisoners

Uber Prices in New York Model   **Dec 2022**

- Using R-Studio to study the factors affecting uber prices in New York State

Mini Wordle with AI   **May 2022**

- Using python to create a mini wordle

SKILLS & INTERESTS

- **Skills:** R, Python, MySQL, Git, GitHub, Google Cloud, Open Refine, Microsoft Office, Jupyter, CircuitVerse, Hmmm, VPython, JSFLAP, React, Python Flask, Node.js, Power BI, Tableau, Microsoft Office Suite, Linux, PyTorch, AWS
- **Languages:** English (Fluent), Arabic (Basic), Hindi (Native), Urdu (Fluent), French (Basic), Gujarati (Basic)
- **Interests:** Cycling, Baking, Cooking, Badminton, Table Tennis, Hackathons