

Mohammad Bachcha

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EDUCATION

Northeastern Illinois University, Chicago
M.S. Computer Science

December 2024

DePaul University, Chicago
B.S. Computer Science

March 2023
GPA: 4.00/4.00

Relevant Coursework: Data Structures, Database Systems, Computer Systems, Distributed Systems, Design/Analysis of Algorithms, Managing Globally Distributed Systems, Object Oriented Software Development, Data Analysis, Program Language Concepts

TECHNICAL SKILLS

Programming Languages: Java, Python, C, SQL, Scala, Scheme, HTML/CSS, JavaScript

Software & Tools: Microsoft Windows, Mac OS, iOS, Android, Linux (Ubuntu, Debian, LXLE), MS Office Suite, SPSS, Eclipse, Virtual Box, Google Suite, Adobe Illustrator, OnShape, Oracle MySQL, IntelliJ IDE, PostgreSQL, Amazon AWS, Git, GitHub, Raspbian OS, JUnit

PROJECTS

SportsApp | Django, HTML, CSS, JavaScript, jQuery, AJAX

April 2023

- Designed and developed a real-time platform for NBA enthusiasts to obtain live scores and play-by-play information, as well as engage in real-time discussions about ongoing games.
- Leveraged the NBA API to retrieve comprehensive live and historical data for 100+ NBA games, including real-time scores, play-by-play information, and the NBA schedule.
- Implemented Asynchronous JavaScript and XML (AJAX) functions to retrieve the latest game information seamlessly and efficiently in real-time from the NBA API, without requiring a full page reload.
- Engineered a chat feature using Django Channels and WebSockets, which enabled real-time communication among users.

Price Comparison | Django, HTML, CSS, JavaScript

February 2023

- Led a team in developing a dynamic web application utilizing Django, HTML, and CSS that enables users to compare prices between UberEats and DoorDash and make informed decisions about their food delivery choices.
- Exercised excellent communication and collaboration skills, working closely with the team to ensure the application met business requirements and user needs.
- Utilized PostgreSQL to create a backend database that stores user information.
- Applied Bootstrap CSS framework to make the app mobile friendly.

App Bundler | Java

August 2022

- Led the design and development of a Mac-based application that automated the conversion of .jar files into MacOS-compatible .app files, resulting in a 20-minute time savings for users.
- Utilized agile methodologies and incorporated user feedback from a team of three beta testers to ensure the program met all functional requirements and delivered a seamless user experience.
- Utilized version control tools, such as Git, to manage the development process and to consistently meet project deadlines, ensuring the delivery of a high-quality product that received positive feedback from end-users.

EXPERIENCE

Gandhi Foods
Data Analyst

Skokie, Illinois
June 2022 – Present

- Conducted thorough analysis of multi-year sales data to identify the top three months with consistently high product volume, improving sales forecast accuracy by 15% and facilitating more precise inventory planning.
- Successfully integrated inventory management systems, ensuring seamless data migration and minimizing operational disruptions, resulting in a 20% increase in system efficiency and a 15% increase in order fulfillment.
- Created comprehensive spreadsheets and charts to visually represent inventory trends spanning across multiple sales channels including, but not limited to, Shopify and Amazon FBA resulting in a 30% reduction in time spent on data analysis and reporting.