Saloni Mhatre

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EDUCATION
University of Illinois at Chicago   **Aug 2020 - Dec 2024**
B.S in Computer Science – Minor in Mathematics

RELEVANT COURSEWORK
Data Structures, Software Design, Machine Learning, Program Design, Mathematics, Data Science, Agile Methodologies, Object-Oriented Programming (OOP), User-centered Design, UI/UX Design.

SKILLS
Programming Languages & Technologies:
- Languages: C/C++, Java, Python, JavaScript, SQL, HTML/CSS, C#, Objective-C, F#, Ruby
- Frameworks/Libraries: Django, NumPy, Flutter,
- Database: SQL (Seaplot, Numpy, Pandas), MySQL, RDBMS, DBMS
- Systems: Operating Systems, Linux/Unix

Software & Tools:
- Development Environments: XCode, Visual Studio Code
- Version Control: Git/GitHub
- Project Management: JIRA, Agile Methodologies
- Collaboration & Documentation: Google Workspace, Jupyter Notebooks, Docker

Areas of Expertise:
- Data Science: Data Analysis, Machine Learning, Data Structures & Algorithms
- Design: Interaction Design, User-centered Design
- Other Technologies: Canva, HTTP

EXPERIENCE

University of Illinois Chicago - Technology Solutions   **Since Jan 2023**
IT Client Support Specialist (Service Desk)
- Provided clients with technical support on personal devices in a polite and professional manner. Helped troubleshoot, install, and configure university licensed software (MS Office, VPN, etc.) and performed other duties and tasks as assigned.

PROJECTS
Chicago Crime and Housing Analysis   **2024**
- Spearheaded the project, utilizing Python and various data science techniques to explore the relationship between crime rates and housing prices in Chicago. The project included data cleaning, exploratory data analysis, machine learning, and visualization.
- Led a team in employing logistic regression to predict arrest probabilities, enhancing model accuracy by 87.8%. Analyzed datasets from the City of Chicago and Zillow to assess neighborhood safety and the impact of COVID-19 on crime rates.
- Delivered insights through visualizations and statistical tests, revealing key findings such as an inverse relationship between battery incidents and housing prices, and a significant decrease in theft post-COVID.

Smart Grocery App   **2024**
- Led the development of "Smart Grocery," an intuitive Flutter-based application, leveraging Agile practices and JIRA project management to design a user-centric platform that simplifies pantry management and suggests recipes aligned with user preferences using advanced Python and SQL analytics.
- Fostered a collaborative team environment to deliver a dynamic mobile app experience, efficiently tracking pantry inventory and offering instant culinary solutions, while ensuring adherence to academic and ABET learning outcomes for a comprehensive software engineering education.

Python Interpreter   **2023**
- Developed a C++ program that takes a python file and executes it as it would have generally executed. Implemented using a Game Loop which reads the python file line-by-line in a recursive manner.