Manav Ritesh Shah

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EDUCATION

University of Massachusetts Boston, Boston, Massachusetts, United States of America　　　　　　**September 2022 – May 2024**

MS in Information Technology **(GPA: 3.91/4.0)**

Relevant courses: Database Management, Web Application Development, Business Intelligence, Business Programming, Programming with Python, Organizational Analysis and Skills, Management of Supply Chain, System Analysis and Design, Advance Data Mining, Cloud Computing, Project Management.

University of Mumbai, Mumbai, India　　　　　　**August 2019 -- May 2022**

Secured a bachelor's in computer engineering **(GPA: 3.72/4)**

Relevant courses: UI/UX Design and Principles, Computer Organization & Architecture, Database Management Systems, Operating System, Python, Computer Networks, Data Structures, Cloud Computing & Services, Data mining and BI.

SKILLS

- **Technical Skills:** C/C++, Java, Python, SQL, R.
- **Database and Technologies:** Oracle, PostgreSQL, SQL SERVER, AWS, MongoDB, PowerBI, Excel, Tableau, Microsoft Azure, Microsoft Office.
- **Web Development Skills and Frameworks**: HTML, CSS, JavaScript, PHP, jQuery, Node.js, React, Bootstrap, Laravel, Django.
- **Additional Tools:** Photoshop, Adobe XD, Figma, Git and text editors like Sublime, Codeblocks, Visual Studio, Notepad++.
- **Operating Systems:** Windows, Linux, MacOS.
- **Soft Skills:** Team Player, Quick learner, Resilience, Leadership, Adaptability, Negotiation, Conflict resolution, Networking.

PROFESSIONAL EXPERIENCE

PadMatch, Boston, USA　　　　　　**September 2023 – December 2023**

Data Analyst Intern

- Collected and analyzed user data using Python and SQL to enhance roommate matching algorithms, identifying data needs and sources to optimize workflow.
- Enhanced data infrastructure by leveraging AWS services for migrating data from legacy systems to a cloud-based warehouse, employing ETL processes for seamless data transformation.
- Collaborated in testing and validating algorithms using Python and Jupyter Notebook to ensure they met specified requirements, demonstrating accuracy and reliability in algorithm performance.
- Implemented data-driven optimizations in roommate matching algorithms, incorporating user feedback and performance metrics using machine learning libraries like scikit-learn and data visualization tools such as matplotlib and seaborn for continuous improvement.

Incincmedia, Mumbai, India　　　　　　**January 2021 – April 2021**

Web Developer Intern

- Collaborated with the development team to identify, design and implement tools and processes aimed at maximizing the efficiency and effectiveness of Incincmedia's web pages.
- Implemented Bootstrap's grid system, components and utilities to ensure seamless responsiveness and aesthetic consistency.
- Translated Photoshop/Figma layouts into functional web pages using HTML, CSS and JavaScript.
- Contributed to the development of user-friendly interfaces, ensuring timely project completion by collaborating with team members using a stack including HTML, CSS, JavaScript, Bootstrap, PHP and SQL.

Signet Kitchen Studio, Mumbai, India　　　　　　**June 2020 – August 2020**

Data Engineer Intern

- Collaborated with cross-functional teams, including data scientists to gather requirements and implement data-driven solutions.
- Utilized SQL and Python programming languages to extract, manipulate and analyze large datasets for reporting and analytics purposes.
- Assisted in troubleshooting and resolving data-related issues, working closely with stakeholders to ensure timely resolution.
- Conducted data analysis and identified areas for performance optimization and process improvement, resulting in a 20% reduction in pipeline execution time.

ACADEMIC PROJECTS

Laboratory Animal Census and Health Monitoring System　　　　　　**May 2023 – August 2023**

- Conducted statistical analysis and reporting of laboratory animal census using Microsoft Excel to monitor population trends and demographics.
- Managed Microsoft Power Automate workflows to notify the Primary Investigator promptly about animal health concerns, enabling timely intervention.
- Oversaw animal care operations, including equipment maintenance and inventory management to maintain optimal conditions for laboratory animals.

Cab Prices Analytics　　　　　　**October 2022 – December 2022**

- Created visualizations using scatter plots, bar graphs and line charts with matplotlib, seaborn, plotly and plotly express for enhanced statistical insights.
- Integrated cufflinks to connect pandas with plotly, enabling dynamic data visualization and utilized folium for interactive geospatial visualizations with tooltips and popups.
- Technologies used: Python, jupyter notebook, PowerBI.

3D Models – Furnish the GreySpace　　　　　　**March 2021 – April 2021**

- Developed interactive visualizations for an e-commerce furniture website using HTML, CSS, JavaScript, React and Node.js.
- Implemented 3D product visualization features, including AR mode for Android and iOS platforms, improving consistency by 70% in product presentation.
- Technologies used: Raspberry PI, MySQL, Python.