

PADMESH RAJARAM NAIK

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EDUCATION

Worcester Polytechnic Institute (WPI), Worcester, MA

Master of Science in Computer Science, GPA: 3.75/4.0

August 2022 - May 2024

University of Mumbai, Mumbai, India

Bachelor's in Computer Engineering; CGPI: 8.16/10

August 2016 - October 2020

Skills

Languages and Databases: Python, R, Java, Javascript, C, C++, HTML, CSS3, TypeScript, Bootstrap, MongoDB, SQL, PostgreSQL

Frameworks and Tools: Angular, React, Node.js, Spring Boot, Django, Express.js, REST API, Kubernetes, AWS, Docker, Github, Azure, Tableau, Oracle

Certification: Azure Fundamentals (AZ- 900) , Azure Data Scientist (DP-100) , Google Analytics Certification

PROFESSIONAL EXPERIENCE:

Software Developer Intern

Jan 2024 –Present

Clearly Energy, Severna Park, MD

- Deploying and continually enhancing (CI/CD) the BEAM web application using Angular.js and Django, with an emphasis on scalable solutions for growing user engagement and data volume.
- Enhancing user experience by integrating dynamic geospatial visualization tools, including interactive maps and address search, for more engaging access to building energy data..
- Adding advanced filters such as color-coded markers and interactive graphs, enabling a better visualization of energy metrics.

Software Engineer Intern

May 2023 - August 2023

Building Assure PBC, Concord, MA

- Led the design and development of a rule-based decision model, streamlining real-time alerts and responses to dynamic data inputs.
- Enhanced system performance by 25% by implementing a Python and Pandas-based data pipeline, facilitating seamless data integration between MongoDB and decision models.

Graduate Assistant

January 2023 - January 2024

Worcester Polytechnic Institute, Worcester, MA

- Collaborated on a professor-guided research initiative to develop and implement advanced Python pipelines, optimizing data extraction and deepening insights from diverse data sources.
- Conducted doubt-solving lectures to help students with coursework and also assist the professor with grading and evaluating student assignments.

Data Scientist

September 2020 - August 2022

Tata Consultancy Services, Mumbai, India

- Performed exploratory data analysis on 10 years of purchasing data using Tableau, identified key predictors of customer behavior and recommended changes to the pricing strategy, resulting in a 10% increase in revenue.
- Enhanced model accuracy by 15% by incorporating additional features into the regression models, enabling more accurate delivery time predictions and improving overall operational efficiency.

PROJECTS:

Consignment Shop

- Developed a responsive e-commerce web application using React, incorporating features such as user registration, inventory management, and real-time pricing updates, enhancing user experience and operational efficiency.
- Established a secure SQL database schema with automated primary foreign key constraints for optimized data retrieval, and integrated Azure Lambda functions for backend processing in a serverless architecture, ensuring high availability and performance.

Bookstore Web Application

- Developed a online bookstore platform, featuring advanced search capabilities, real-time book rating updates, and secure user registration and login functionalities.
- Implemented a MySQL backend system for the bookstore to manage inventory, process transactions and generate sales reports.