

# PADMESH RAJARAM NAIK

[linkedin.com/padmash-naik](https://www.linkedin.com/in/padmash-naik) | 508-762-6909 | [padmeshnaik22@gmail.com](mailto:padmeshnaik22@gmail.com) | [github.com/padmashnaik](https://github.com/padmashnaik)

## 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 of Technology in Computer Engineering; CGPI: 8.16/10

August 2016 - October 2020

## SKILLS

**Languages and Databases:** Python, Javascript, C/C++, PHP, Spark, HTML/CSS3, MongoDB, SQL, Oracle, Hadoop

**Frameworks and Tools:** Angular.js, Django, React, Node.js, Scikit-learn, Tableau, Jupyter Notebook, Github, Azure, Numpy, Pandas, Postgresql

**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, Maryland

- Currently working on deploying the Building Energy Analysis Manager(BEAM) software using Angular.js and Django, focusing on achieving scalable architecture and robust data processing.
- Designing workflows that focuses on optimizing energy analysis and data integration, ensuring efficient and scalable solutions within the energy management domain.

### Software Engineer Intern

May 2023 - August 2023

CoolGreenPower, Concord, MA

- Led the design and development of a rule-based decision model,streamlining real-time alerts and responses to dynamic data inputs.
- Designed and established a data pipeline that seamlessly integrated MongoDB database with a decision model, facilitating efficient data retrieval, transformation, decision-making, and alert generation.
- Utilized JavaScript and Node.js to interface with MongoDB, executed a range of CRUD operations, and organized advanced MongoDB collections to meet business goals.

### Graduate Assistant

January 2023 - January 2024

Worcester Polytechnic Institute, Worcester, MA

- Actively collaborating on a professor-guided research initiative to develop and implement advanced Python pipelines, optimizing data extraction and deepening insights from diverse data sources.
- Conduct 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

- Collaborated with the data engineering and operations team to design pipelines for data acquisition and integration, ensuring timely and accurate delivery of data to support business decision-making.
- Enhanced accuracy by 15% by incorporating additional features into the model, enabling more accurate delivery time predictions and improving overall operational efficiency.
- Performed exploratory data analysis on 10 years of purchasing data, identified key predictors of customer behavior and recommended changes to the pricing strategy, resulting in a 10% increase in revenue.

## ACADEMIC PROJECTS:

### Consignment Shop

- Designed and deployed a responsive shop web application using React.js, featuring user account creation, inventory management, and dynamic pricing updates.
- Implemented a secure SQL database schema with auto-incrementing primary keys and foreign key constraints to facilitate efficient data retrieval for store and computer inventory management.
- Integrated Azure Lambda functions to handle backend processes, providing a scalable and cost-effective serverless architecture that ensures high availability and performance.

### Online Book Store System

- Developed a online bookstore platform using React and Nodejs, featuring advanced search capabilities, real-time book rating updates, and secure user registration and login functionalities.
- Transitioned and centralized MySQL databases to Amazon AWS RDS, resulting in improved operational efficiency and superior performance metrics.