

# AZEEZ ABDUL

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## EXPERIENCE

### Campus Dining and Shops SUNY UB

#### Student Manager

September 2024 - December 2025

#### Student Employee

February 2024 - September 2025

- Led a team of 15 student workers in optimizing food preparation processes, resulting in a 30% increase in kitchen efficiency and a significant reduction in order fulfilment errors, streamlining campus dining.
- Deployed a real-time inventory tracking system using Google Sheets and Apps Script, monitoring food levels and minimizing waste, which resulted in a 10% reduction in overall food costs.

### Hexaware Technologies

#### Software Developer Intern

August 2023 - December 2023

- Completed a 5-month internship as a Graduate Engineer Software Intern, gaining hands-on experience with HTML, CSS, and JavaScript while contributing to front-end development in a fast-paced agile environment.
- Collaborated in a cross-functional team to develop and test web interfaces, increasing delivery efficiency by 50%.
- Integrated feedback from code reviews into development workflow, resulting in 15% fewer bugs identified in user acceptance testing and improved code maintainability across three major projects.
- Developed optimized responsive web applications, enhancing UI/UX design for mobile and desktop users, which led to a 70% improvement in user satisfaction.

## ENGINEERING PROJECTS

### Visual to Verbal Image Captioning using DL Models

January 2025 - May 2025

- Constructed AI Powered Image Captioning System that generates text, audio, and multilingual descriptions, improving accessibility for visually impaired users by over 60% visually impaired users.
- Engineered deep learning pipelines from scratch using custom-trained Efficient Net and VGG16 encoders with LSTM & Transformer-based decoders, improving captioning accuracy by 50%.
- Integrated googles text to speech tool for speech synthesis and Google Translate API for real-time multilingual support, enhancing system accessibility for global users by over 60%.

### Big Mart Sales Forecasting using Regression Models

August 2024 - December 2024

- Built a full-stack sales forecasting web application using HTML, CSS, Django where models done using R programming, delivering real-time predictions and interactive dashboards for Item Outlet Sales, improving business forecasting accuracy by 30%.
- fine-tuned regression models including Linear, Polynomial, and regularization models with advanced data Preprocessing like (scaling, log transforms, feature engineering), improving model accuracy by over 30%.
- Conducted benchmarking across Lasso, Ridge, Decision Trees, and Random Forest models, introducing feature engineering that uncovered overlooked data patterns and improved prediction accuracy by 20%.

### Unified Web-Based ERP for Educational Institutions

July 2023 - January 2023

- Designed and Composed a full-stack web application using Django, MySQL, HTML/CSS, and Bootstrap to automate college operations like attendance, marks, and user management, improving efficiency by 50%.
- Made the full-stack system from scratch handled frontend interfaces, backend logic, & database integration, tested secure CRUD operations based on user roles, safeguarding sensitive academic records.
- Engineered secure Django modules for attendance locking, grade editing, and user communication validated through white-box and Blackbox testing, achieving 95% functional coverage and reducing manual errors by 60%.

## EDUCATION

### State University of New York at Buffalo

January 2024 - May 2025

- Master of Computer Science

#### Teaching Assistant

- Guided 100+ students in mastering SQL, relational databases, and data modelling concepts, achieving a 90%+ resolution rate for queries during labs and office hours.
- Systematized student feedback collection via online surveys to pinpoint three prevailing bottlenecks in introductory programming labs, enabling targeted intervention that reduced student queries by 30%.
- Analysed 200+ code submissions, pinpointing common coding errors and vulnerabilities which were then used to develop targeted training modules to address gaps in knowledge and reduce future occurrences.

### NRI Institute of Technology, Agiripalli

July 2019 - May 2023

- Bachelor of Electronics Communication

## SKILLS

#### Programming

- Python, C, R, JavaScript, HTML, CSS

#### Frameworks

- Django, Angular, ReactJS, Apache Spark

#### Deployment Tools

- Git, Docker, PyCharm, TensorFlow

#### Databases

- SQL (MySQL, PostgreSQL), NoSQL (MongoDB)

#### Relevant Coursework

- Operating Systems, Data Structures, Analysis of Algorithms, Machine Learning, Deep Learning, Computer Vision, Image Processing

## CERTIFICATIONS

Fundamentals of Digital Marketing - Google

January 2023 - March 2023

HTML, CSS, JavaScript - Coursera

May 2022 - July 2022

Python Zero to Hero Bootcamp

- Udemy

January 2022 - March 2022