AZEEZ ABDUL

New York city (open to relocate) | 716-303-8843 | Gmail | GitHub | LinkedIn | Portfolio

EXPERIENCE

State University of New York at Buffalo   January 2024 - May 2025
Teaching Assistant
- Developed comprehensive SQL tutorial, assisting over 100 students in grasping relational database concepts; maintained a 90%+ query resolution rate during lab sessions and office hours, demonstrating expertise.
- Automated a SQL database & data model to track student query resolution rates across 10 introductory programming labs, improving teaching assistant response times by 20% & increasing student satisfaction.
- Conducted code reviews of 200+ submissions, discovering memory leaks, & implemented secure coding practices that increased code maintainability by 30% for the entire engineering team.

Hexaware Technologies   August 2023 – December 2023
Software Developer Intern
- Built front-end features using HTML, CSS, & JavaScript within a five-member agile team, completing 12+ sprint points per two-week sprint, exceeding team average by 20%.
- 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.
- Architected 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   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%.
- Deployed a real-time translation feature using Google Translate API, enabling multilingual support for 75% of global users and resolved 150+ international student support requests weekly.

Big Mart Sales Forecasting   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   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.
- Optimized 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

NRI Institute of Technology, Agiripalli   July 2019 - May 2023
- Bachelor of Electronics Communication

SKILLS

Programming	– Python, C, Java, R, JavaScript, HTML, CSS
Frameworks	– Django, Angular, React.js, Next.js, Express.js, Tailwind CSS, Vite, Spring Boot, Fast API
Tools & platforms	– Git, Docker, PyCharm, TensorFlow, Apache Spark, Figma, Tableau, Power BI, Linux, OpenAI
Databases	– SQL (MySQL, PostgreSQL), NoSQL (MongoDB)
Cloud Platforms	– AWS (EC2, ECS, S3), Microsoft Azure, Google Cloud
Relevant Coursework	– Operating Systems, Analysis of Algorithms, Machine Learning, Deep Learning, Computer Vision, Image Processing, Computer Security

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