

Veeranjaneyulu Batthula

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Personal Profile

AI Machine Learning Engineer with expertise in Python, R, SQL, and full-stack development (HTML, CSS, JavaScript, WordPress). Pursuing an MSc in Computer Science with a focus on AI and Big Data Analytics, and researching Predictive Maintenance using Machine Learning in the Automotive Industry. Experienced in developing machine learning models and implementing cloud solutions on AWS and Azure. Passionate about using AI for data-driven solutions to enhance operational efficiency and user experience.

Technical Skills

- Programming Languages: Python, R, SQL, JavaScript, PHP, HTML, CSS
- Frameworks & Libraries: Matplotlib, scikit-learn, WordPress
- Cloud Platforms: AWS Cloud Practitioner, Azure Cloud Practitioner
- Database Management: MySQL, Database optimization
- Development Tools: Git, Google Analytics

Core Competencies

- Machine Learning: Implementation of ML algorithms and predictive modeling
- Data Analysis: Statistical analysis, data visualization, and insights generation
- Full Stack Development: Building responsive web applications
- Web Accessibility: WCAG 2.1 compliance analysis
- Cloud Architecture: AWS and Azure services implementation

Key Achievements

- Leading research on accessibility analysis of websites using ML techniques
- Implementing cloud-based solutions using AWS services
- Developing optimized database systems for efficient data retrieval
- Building responsive and user-centric web applications

Education & Training

University of East London

September 2023 – September 2024

MSc Computer Science with Industrial Placement

Key Modules: Advanced Software Engineering, Artificial Intelligence, Cloud Computing, Big Data Analytics

Research Focus: Analyzing UK university websites' accessibility using WCAG 2.1 guidelines, implementing machine learning techniques for automated compliance assessment

Key Projects: Developed AI models for website accessibility analysis, Implemented cloud-based data processing solutions

PNC & Vijay Institute of Engineering and Technology

August 2015 – July 2017

MTech - Computer Science and Engineering

Core Studies: Software Engineering, Cloud Computing, Database Management Systems

Major Project: Designed and implemented a cloud-based travel booking system using AWS services, focusing on scalability and user experience

Technical Skills: Cloud architecture, database optimization, system design

Narasaraopet Institute of Technology

August 2009 - July 2013

Bachelor of Technology in Computer Science & Engineering

Key Modules: Software Engineering, Java Programming, Web Technologies, Information Security, Data Structures

Final Project: Developed 'eKampus' - a comprehensive educational institute management system

Focus Areas: Object-Oriented Programming, Database Management, Software Testing, Project Management.

Employment

Research Assistant at University of East London

October 2024 – May 2025

- Led research project on Predictive Maintenance using Machine Learning in the Automotive Industry, focusing on improving operational efficiency.
- Developed machine learning models for predictive maintenance, enhancing the accuracy of equipment failure predictions
- Analyzed industry data to identify patterns and trends, contributing to optimized maintenance schedules

Full Stack Developer at VPULA Test Limited

February 2024 – October 2024

- Architected and developed responsive web applications using HTML5, CSS3, JavaScript, and PHP
- Implemented and optimized MySQL databases, enhancing data retrieval performance and storage efficiency
- Led cross-functional team collaboration to deliver projects within specified deadlines

WordPress Developer at Cloudbase Tech Limited

October 2023 – February 2024

- Developed custom WordPress themes and plugins to meet specific client requirements
- Implemented robust security measures to protect against cyber threats and ensure data integrity
- Provided technical support and maintenance for multiple client websites
- Conducted regular performance audits and optimizations, improving site speed and user engagement

Web Developer at V2 Software Solutions

October 2017 – February 2020

- Built and maintained responsive websites using modern web technologies
- Collaborated with UX designers and project managers to deliver client-focused solutions
- Optimized website performance and implemented SEO best practices
- Utilized Google Analytics to track user behavior and inform development decisions

Certifications

AWS Cloud Practitioner: [Foundational Certification](#)

AZURE Cloud Practitioner: Foundational

MATLAB Course: Foundational Certification ([Matlab Onramp](#), [Image Processing Onramp](#), [Deep Learning Onramp](#), [Machine Learning Onramp](#))

Interests

- Dedicated to advancing machine learning and AI applications, focusing on practical business solutions
- Actively researching web accessibility standards to enhance digital inclusivity through automated assessment tools
- Exploring cloud computing architectures on AWS and Azure platforms to develop secure, scalable applications
- Specializing in data visualization techniques for extracting meaningful insights from complex datasets
- Contributing to open-source projects focusing on accessibility and machine learning implementations
- Committed to continuous learning and staying current with emerging technologies and development practices

References available upon request
