

Mohammed Abdur Rahman

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📁 [Portfolio](#) | 🔗 [LinkedIn](#) | 🐙 [GitHub](#)

Personal Summary

versatile Full-Stack Developer & AI/ML Engineer with expertise in building end-to-end solutions from scalable web applications to AI-powered platforms and data-driven products. Skilled in Python, JavaScript, React, Node.js, Django, and AWS, with hands-on experience in machine learning, cloud, and IoT. Recognized as a Smart India Hackathon Finalist and contributor to impactful projects like AI career counseling, robotic assistants, and educational video generators. Combining strong technical depth with team leadership and problem-solving, I deliver innovative, human-centric solutions that create real-world impact.

Skills

Programming Languages: Python, JavaScript, C++, C, Java, SQL, PHP, GO Lang

Frameworks & Libraries: Django, React Native, React.js, Next.js, Node.js, Express.js, Django REST Framework, Tailwind

Web Development: HTML5, CSS3, Bootstrap, AJAX, RESTful APIs, Responsive Design, E-Commerce, Backend

Databases: MySQL, MongoDB, Pinecone

Tools & Platforms: AWS, Docker, LangChain, Git, GitHub, Arduino, Pandas, NumPy

Technologies: MERN Stack, SaaS, IoT, AI, Machine Learning, Parallel Algorithms

Soft Skills: Presentation Skills, Team Management, Project Management, Collaboration, communication, problem-solving, making key decisions

Experience

AI/ML Intern

[Certificate](#)

Wave Infotech | Hyderabad, Telangana, India | Nov 2023 - May 2024

- Completed a 6-month internship in Artificial Intelligence and Machine Learning (AI/ML), securing an "A+" grade for performance and project delivery.
- Implemented and optimized 5+ ML models (classification, regression, clustering), improving accuracy by up to 15% compared to the baseline.
- Developed end-to-end workflows involving data collection, cleaning, visualization, model training, and evaluation using Python libraries such as NumPy, Pandas, Scikit-learn, and Matplotlib.

Frontend Web Developer

Beyond Technologies | Visakhapatnam, Andhra Pradesh, India | Jan 2023 - Jul 2023

- Designed and implemented responsive front-end web applications using modern frameworks involving React.js, Next.js and Tailwind CSS.
- Collaborated with back-end teams to deliver seamless user experiences and integrations with APIs.

Education

Scaler School of Technology, Bengaluru, Karnataka, India

- Bachelor's Degree in Computer Science** (Primary) | Aug 2024 - Aug 2028

Birla Institute of Technology and Science, Pilani, Rajasthan, India

- Bachelor's Degree in Computer Science** (Online) | Aug 2024 - Aug 2027

Sai Ganapathi Polytechnic College, Visakhapatnam, Andhra Pradesh, India

- High School Diploma in Computer Engineering** | May 2021 - May 2024
- GPA: 9.5/10

Certificates

- AWS Certified Cloud Practitioner - [link](#)
- Smart India Hackathon Finalist - Government of India (Dec 2024) - [link](#)
- Tata Group: Data Visualization Simulation - Forage (Jul 2024) - [link](#)
- Machine Learning Certification Program - IIT Madras & GUVI (Oct 2023) - [link](#)
- AI For India 2.0 - GUVI (Aug 2023) - [link](#)
- Project Management & New Product Development - Cloud Counselage Pvt. Ltd. (Jul 2023) - [link](#)

Projects

Clarity: AI-Powered Career Counselling Platform

- Developed and launched an AI-driven career counselling platform that delivers personalized recommendations based on user profiles and analytics; selected as a Smart India Hackathon finalist.
- Implemented backend APIs and a React frontend to support end-to-end user flows
- Technologies: MERN Stack, AI, Data Analysis, Presentation Skills
- [GitHub](#)

Porto Generator

- Built an online tool to create professional resumes and portfolios with one-click export.
- Implemented server-side generation and templating using Node.js and Express.js; added form validation and export functionality.
- Technologies: Node.js, Express.js, templating, problem solving, parallel algorithms
- [Live Demo](#)

Sai Ganapathi Engineering College Admission portal

- Developed and launched the official website and admissions portal using Django, enabling online applications and status tracking for 1000+ applicants per cycle.
- Built REST APIs and an AJAX-driven frontend that reduced manual processing time by 80% and decreased form submission errors by 93%.
- Added server-side validation and secure data handling to protect applicant data and improve overall reliability.
- [Live Demo](#)

Smart Robo Face: Personal Interactive Assistant

- Architected and delivered a prototype interactive assistant combining real-time computer vision, embedded control, and conversational AI; coordinated hardware/software integration and demo deployment.
- Implemented sensor integration, servo control, and basic speech in/out to enable natural interactions
- Technologies: Arduino, Python, Embedded systems, Speech recognition

AI powered Educational Video Generator

- Built a platform that automatically generates high-quality educational videos from scripts and slide content using an LLM-driven pipeline.
- Implemented video assembly, audio synthesis, and encoding components and exposed a REST API for automated production.
- Technologies: Python FastAPI, Node.js, React, LLM, FFmpeg
- [GitHub](#)

Languages

- **Urdu:** First Language
- **English:** Advanced (C1)
- **Hindi:** Proficient (C2)
- **Telugu:** Advanced (C1)