

# RAM KAITHWAS

Vijaypath Nagar, Amravati, Maharashtra 444601

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## Education

### Darda Junior College, Yavatmal

2019 – 2021

XIth(HSC): 76%, Xth(SSC): 68%

Yavatmal, Maharashtra

### Sipna COET, Sant Gadge Baba University, Amravati

2022 – 2026

Bachelor of Engineering in Electronics and Telecommunication

Amravati, Maharashtra

## Technical Skills

**Programming & Web:** JavaScript (ES6+), HTML, CSS, C++ (OOP and DSA - 300+ Problems)

**Stack:** Node.js, Express.js, React.js, MongoDB, REST APIs

**Database:** SQL and NoSQL

**Cloud & DevOps:** Azure, Google Cloud, Intune, CI/CD, Docker, Linux

**Tools & Platforms:** Git/GitHub, Postman, VS Code

**Soft Skills:** Communication, Teamwork, Problem Solving, Adaptability

## Projects

### MFA Authentication System | MERN, REST APIs, MongoDB | Github

Jan 2025

- Architect a secure authentication system using the MERN stack supporting **100+ test users**
- Configured JWT-based authentication and bcrypt hashing to ensure secure user login and registration
- Engineered RESTful services with structured error handling and input validation for efficient session management
- Conducted API testing using Postman achieving a **95% success rate under test scenarios**
- Applied load handling and session management techniques to improve system stability and performance

### Museum AI Guide Robot | ESP32, Embedded ML, Computer Vision, Wi-Fi Module | Github

Jan 2026

- Constructed an end-to-end robot using ESP32-CAM capable of real-time perception with **1–2 sec response time**
- Implemented computer vision inference with confidence-based detection achieving **85% accuracy**
- Incorporated AI-powered Text-to-Speech (TTS) and Speech-to-Text (STT) for interactive, voice-based user engagement
- Developed embedded firmware for motor control, I2S audio, camera interfacing, and optimized power management
- Created event-driven system architecture improving system responsiveness and efficiency

## Experience

### Cloud Associate & Intune Administrator | MIDC Skill Centre, Amravati

2026 – Present

- Administered Microsoft Azure and Intune services for users and endpoint devices, improving operational efficiency
- Configured Azure Active Directory, BYOD, and Identity & Access Management (IAM) policies for secure access control
- Enforced security, compliance, and governance policies to ensure safe and reliable cloud environments
- Assisted in application deployment, device management, and monitoring of cloud resources

### MERN Stack Developer Intern | GeeksforGeeks

2025 – 2026

- Built full-stack web applications solving real-world use cases using the MERN stack
- Designed responsive and user-friendly interfaces with React, improving user experience
- Optimized frontend performance, reducing page load time by **30%**
- Enhanced and integrated RESTful APIs to streamline frontend-backend communication
- Implemented secure authentication mechanisms using JWT for reliable user access

## Extracurricular Activities

### Executive Member – Personality Development Club | Sipna COET

2023 – Present

- Organized and coordinated club events, improving teamwork and leadership skills
- Facilitated sessions and activities to enhance communication and interpersonal development

### Founder - HydroSolution | R&D Sipna Lab, Amravati | Website

2025 – Present

- Delivered fire hazard assessment and safety audit services on a contract basis for residential and commercial clients
- Evaluated risk factors and recommended fire safety solutions, improving compliance with safety standards