

SYEDA UMME KULSUM ( MERN Stack Developer )

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TECHNICAL SKILLS

- **Programming Language:** JavaScript
- **Frameworks & Libraries:** ReactJS, ExpressJS, Mongoose
- **Runtime Environment:** NodeJS
- **Tools & Version Control:** Git, Bitbucket, GitHub, VS Code
- **Database:** MongoDB
- **Node Modules:** express, mongoose

PROJECTS

Clinic Management System

- **Built RESTful APIs** with Express.js for appointments, billing, authentication, and patient records, reducing API response time by **35%** and enabling seamless multi-user interactions.
- **Designed and optimized MongoDB schemas/models**, improving query performance by **30%** and ensuring scalability for **1000+ concurrent users**.
- **Implemented JWT authentication and role-based authorization**, strengthening system security and reducing unauthorized access attempts by **90%**.
- **Secured configurations** with dotenv and applied centralized error handling & validation, cutting runtime errors by **25%** during testing.
- **Developed appointment scheduling & billing modules** with automated invoice generation (PDF/print/download), improving receptionist efficiency by **40%**.
- **Applied MVC architecture** to organize backend code, resulting in **60% faster feature integration** and easier maintenance.
- **Collaborated via Git/GitHub**, enabling smooth team development with feature branching and pull requests.
- **Built responsive, role-based dashboards** with Handlebars.js, HTML, CSS, and Bootstrap, achieving **100% mobile responsiveness** and role-specific workflows.
- **Integrated frontend with RESTful APIs**, ensuring real-time appointment booking, billing, and patient management with **95% accuracy** in data synchronization.
- **Developed data visualization dashboards** for clinic metrics (patients, revenue, appointments), helping admins make **30% quicker decisions** through actionable insights.
- **Ensured form validation, error handling, and cross-browser compatibility**, delivering a smooth user experience with **98% successful task completion rate** in testing.
- Github Link- [https://github.com/GANESHSN20/clinic\\_management\\_system.git](https://github.com/GANESHSN20/clinic_management_system.git)

CERTIFICATIONS/ACTIVITIES

- JavaScript Course | Silmpilearn| 2025
- NodeJS Course | Silmpilearn | 2025
- Front-end Development (HTML5, CSS3, ReactJS) | Silmpilearn | 2025

EDUCATION

Master of Science (MSc) in Mathematics   CGPA: 8.79	12/2022 - 11/2024
Kuvempu University	
Bachelor of Science (BSc)   (90.75%)	06/2019 - 10/2022
Kuvempu University	