

SARANYA GOWRINENI

+91 8340822476 | saranyagowreneni10@gmail.com | LinkedIn | GitHub

SUMMARY

Full Stack Developer with expertise in MERN/MEAN/PERN stack, scalable web applications, REST API development, and cloud deployment using AWS. Proven ability to improve database performance by 30% and build secure, high-performance systems. Skilled in microservices architecture, CI/CD pipelines, and Agile/Scrum methodologies.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Python, C++, SQL
- **Frontend:** React.js, Redux, HTML5, CSS3, Tailwind CSS
- **Backend:** Node.js, Express.js, REST APIs, Microservices
- **Databases:** MongoDB, PostgreSQL, MySQL, Query Optimization, Indexing
- **Tools:** Git, GitHub, Docker, AWS (EC2, S3), CI/CD Pipelines, Postman, Linux
- **Core:** Data Structures & Algorithms, OOP, System Design, SDLC, Agile/Scrum

PROFESSIONAL EXPERIENCE

Bharat Electronics Limited (BEL) Feb 2025 – Present
Software Developer

- Developed a scalable Central Records Management System using **React.js** and **Node.js**, improving workflow efficiency by 25%.
- Reduced database latency by **30%** through indexing and query optimization in **PostgreSQL**.
- Implemented secure **RBAC authentication** using **JWT**, strengthening access control.
- Designed and deployed **15+ RESTful APIs** enabling seamless API integration.
- Improved scalability using modular architecture and reusable components.
- Collaborated in Agile/Scrum environment and followed SDLC best practices.

PROJECTS

Cognitive and Psychomotor Evaluation System *Qt, C++, Embedded Systems*

- Built a real-time system improving response accuracy by **20%**.
- Designed multithreaded architecture reducing execution time by **25%**.
- Optimized low-latency processing ensuring high responsiveness.

Automated Audit Logging & Version Control System *Full Stack Application*

- Developed a scalable application handling **1000+ records** with audit logging.
- Implemented version control and rollback improving recovery efficiency by **40%**.
- Ensured data integrity through schema design and backend validations.

KEY ACHIEVEMENTS

- Achieved **30% performance optimization** in database operations through indexing and query tuning.
- Successfully developed and deployed **15+ REST APIs** for enterprise-scale applications.
- Strengthened application security by implementing **JWT-based authentication and RBAC**.

EDUCATION

Jawaharlal Nehru Technological University (JNTU), Ananthapuramu
Bachelor of Technology in Computer Science CGPA: 7.9

CERTIFICATIONS

- AWS Certified Cloud Practitioner – Amazon Web Services
- Google Data Analytics Professional Certificate – Coursera
- Advanced React.js Certification – Bharat Electronics Limited