Jegan Barranish J S

BTech Information Technology

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○ GitHub   in LinkedIn

💼 WORK EXPERIENCE

Quest Global   *Oct 2022 – Oct 2024*
Design Engineer, Bengaluru, India (Full Time)

- Designed and updated **500+ 3D models** using SolidWorks and UG NX, improving design accuracy by **25%**
- Interpreted UT and inspection data to modify **200+ CAD models** for RBI and TM processes, reducing inspection time by **30%**
- Prepared technical documentation for **15+ RBI projects**, ensuring **100% compliance** with industry standards
- Collaborated with cross-functional teams of **8+ engineers**, delivering projects **15% ahead of schedule**

</> PROJECTS

Emergency Medical Services (EMS)   *Nov 2024 – Jan 2025*
Developer — Java, Servlet, JSP, JDBC

- Developed a real-time emergency medical platform enabling instant ambulance booking and blood donor matching during critical situations
- Implemented ambulance driver and blood donor registration modules using **JSP, Servlets, and JDBC** for seamless service availability
- Designed a donor-recipient matching system using **MySQL queries**, improving emergency response time and accessibility
- Deployed the application on **Apache Tomcat**, following DAO architecture to ensure scalable and efficient database operations

Telemedicine Web Application   *2025*
Developer — Java,SQL,HTML/CSS

- Built a telemedicine platform enabling real-time video consultation and chat between doctors and patients
- Implemented multi-doctor and multi-hospital support with secure login and role-based access
- Developed features for digital prescription generation, document sharing, and printable medical advice
- Tracked consultation duration and stored patient records using efficient database and hash-based lookups

⚙ SKILLS

ProgrammingLanguages:	C, C++, Java, HTML, CSS
Databases:	SQL, NoSQL
Core Interests:	Data Structures and Algorithms (DSA), OOPS, DBMS, Operating Systems
Languages Known:	English (Fluent), Tamil (Native), Kannada (Conversational)
Soft Skills:	Documentation, Proficiency in MS Excel, Word and PowerPoint

🎓 EDUCATION

B.Tech in Information Technology   *2027*
Anna University MIT Campus, Chennai — **CGPA: 7.65**

Diploma in Engineering   *2022*
Thiagarajar Polytechnic College, Salem — **Score: 95%**

🏆 ACHIEVEMENTS & ACTIVITIES

- Solved **150+ DSA problems** on LeetCode with **85% success rate**
- Runner-up in National Level Technical Symposium (SIH)
- META Certified in FrontEnd Development
- On-the-fly award for Best Employee for six consecutive months