Srirama V

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Profile

As a Computer Science B-Tech student, I am passionate about coding and technology. I constantly seek opportunities to apply and expand my skills in dynamic environments. My goal is to strive for excellence both individually and in team settings. You can explore my work at portfolio.

Education

Manipal Institute of Technology	B.Tech Information Technology, CGPA: 8.53 (2022–2026)
MGM College	Higher Secondary, 95% (2020–2022)
Christian High School	Secondary, 98.5% (2019–2020)

Technical Skills

- **Languages:** C, C++, Java, Python, SQL, HTML, CSS, JavaScript
- **Concepts:** Data Structures & Algorithms, OOP, Relational Databases
- **Tools:** Embedded Systems, Linux, Networks, Machine Learning, Figma, Canva
- **Soft Skills:** Time Management, Leadership, Adaptability, Communication, Teamwork

Projects

- **Readly**
  - Full-stack web app for book enthusiasts, built with *React.js*, *Express.js*, *Node.js*, and *MongoDB*.
  - Features include book browsing, smart search, wishlists, daily check-ins, and secure user authentication.
  - Implemented responsive UI with *Bootstrap* and integrated *ImgBB* for image hosting.
- **Resort Management**
  - Full-stack resort service website developed using *React.js*, *Express.js*, and *PostgreSQL*.
  - Enabled room bookings, taxi rentals, and utility service orders via a clean, user-friendly interface.
  - Built RESTful APIs and responsive frontend for seamless interaction.
- **ICU Admission Predictor**
  - ML model predicting admission to the ICU for pediatric respiratory patients.
  - Achieved 92% accuracy with Explainable AI techniques.
- **Secure Text Drive**
  - Secure text storage system built with *Flask* and *PostgreSQL*, implementing *RSA encryption*, hashing, and digital signatures.
  - Allowed users to safely store and retrieve encrypted text files with integrity verification.
  - Focused on data confidentiality, authentication, and integrity using cryptographic techniques.
- **TalentLink**
  - Freelance management mobile app built with *Java (Android)*, *Firebase*, *MongoDB*, and *Flask (Python)*.
  - Key features: real-time bidding, AI-based cost estimation using ML models, live chat, and user dashboards.
  - Integrated *Firebase Realtime Database* for instant updates and *Firebase Auth* for secure login.

Experience

- **Machine Learning Intern, Invengor Technologies**   December 2024 —- January 2025
- Developed an ML model to predict blood donations. Integrated the model into a web app with patient appointment and test result features.

Courses and Achievements

- **Patent:** Author in Indian patent: *System and Method for Predicting Respiratory Illness of Users*.
- **Publication:** *Published paper in IEEE titled Using Explainable Machine Learning Methods to Predict the Survivability Rate of Pediatric Respiratory Diseases*.
- **Hackathon:** Secured 4th place in Eureka Hackathon for the ML model predicting ICU admissions.
- **IBM Professional Certificate** in Machine Learning (6 Courses)