SANJANA PATIL

CSBS student at VTU Belagavi

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OBJECTIVE

Enthusiastic and detail-oriented Computer Science student with knowledge in Java, Python, Machine learning and MERN stack development. Skilled in collaborating on innovative projects, as demonstrated through participation in multiple hackathons. Adept at problem solving and committed to continuous learning to strengthen both technical and teamwork skills.

EDUCATION

Bachelor of Technology | CSBS

Visvesvaraya Technological University, Belagavi | SGPA : 9.2

2023 -2027

SKILLS

- **Front-End**: HTML, CSS, JavaScript, Bootstrap, React.js, Responsive UI Design
- **Back-End & Databases:** Java, Python, Flask, Node.js, Express.js, RESTful APIs, MongoDB
- **Machine Learning:** Data Preprocessing, Model Evaluation, Regression, Classification
- **Software Development:** Agile methodologies, Code review, Version control (Git/GitHub), API design, JWT-based authentication, Real-time systems (WebRTC)
- **DevOps & Tools**: Docker (familiar), Automated testing, Debugging, Deployment best practices
- **Soft Skills**: Effective communication, Teamwork, Initiative, Time management, Problem-solving

PROJECTS

Online Gatepass Management System (Full Stack Web Application)

- Built a Full-Stack Online Gatepass Management System using the MERN stack with secure JWT authentication, role-based access, and parent OTP verification for gatepass approval to ensure enhanced security and authenticity.
- Implemented QR code generation & scanning for automated exit/return tracking, integrating real-time validation and detailed approval workflow for students, teachers, wardens, and security staff—reducing manual paperwork and time delays

Self-Chef AI (Full stack Recipe Generator Application)

- Built with MERN stack and Gemini API to generate recipes, instructions, and YouTube links from user-input ingredients.
- Responsive two-page app with RESTful backend for instant and seamless recipe suggestions.

AgriPredict – Crop Prediction (Web Application)

- Developed a machine learning-powered crop prediction system using XGBoost to achieve 99% accuracy in recommending optimal crops based on soil and environmental parameters.
- Designed an intuitive web interface for data input and result visualization, enabling users to make data-driven agricultural decisions.
- Utilized Python, scikit-learn, and XGBoost for model training, and deployed web components for seamless user experience

Restaurant Website (Full stack Application)

- Built a full-featured restaurant website with **User login**, allowing customers to maintain their profiles, save orders, and book tables seamlessly.
- Implemented **"Add to Collection"** and table booking with responsive UI for optimal cross-device experience.

EXPERIENCE

Junior Software Engineer Intern | SuPrazo Technologies

Aug 2025 - Present | Belagavi

- Developing a full-stack AI interview platform using the MERN stack, implementing secure APIs, role-based authentication, and real-time interview communication features using WebRTC.
- Building responsive and user-centric React.js dashboards with smart filtering, resume preview, and automated candidate workflow actions (Select/Reject) integrated with backend email notifications and performance report management.

ACHIEVEMENTS

Hackathon Finalist | Full Stack Developer
SuPrathon (National-Level Hackathon) |June 2025
- Competed in a 36-hour hackathon, designing an AI-powered interview analysis web application. Application was recognized and selected among the top 20 teams nationally.
- Contributed to the development of InterviewAI, an AI-powered mock interview platform, by building the user interface using HTML, CSS, JavaScript, and Bootstrap to ensure a smooth and polished design.