Punith R B

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Professional Summary

Computer Science graduate skilled in Python, JavaScript, C++, SQL, and MERN stack development. Experienced in building responsive interfaces, backend services, and scalable web applications. Strong understanding DSA and problem-solving with hands-on experience developing practical, real-world software projects.

Education

Atria Institute of Technologyy, (Visvesvaraya Technological University) [2025]   **8.018**
BE-Compute Science and Engineering

Skills

Programming Languages:	JavaScript, Python, C++, TypeScript.
Technical Skills:	Data Structures and Algorithms.
Frontend:	HTML, CSS, React.js, Redux, TailwindCSS .
Backend:	Node.js, Express.js, MongoDB.
Developer Tools:	VS Code, Replit, MS Excel, Power BI.
Database:	MySQL.

Work Experience

HCLTECH, Bengaluru, India

Graduate Engineer Trainee — [Aug'06] – [Present]

– Engineered and maintained a robust, simulated device environment using a centralized control platform, validating software-hardware interaction and integration for diverse virtual devices.
– Developed, modified, and executed Python-based automation scripts via the Linux Command Line, ensuring codebase scalability, managing new test parameters, and validating complex application functionality

Academic Trainee — [Apr'17] – [Aug'06]

– Applied core SDLC/Agile methodologies following a 3-month intensive training program covering Python programming fundamentals.

Projects

College Academic Management   (Git link)   **React.js, Tailwind, MUI**

– Created an academic management system for our college using the MERN stack, MUI, and TailwindCSS.
– Implemented login and role-based access for three user types: Admin, Staff, and Student.
– Included features like attendance tracking, quiz and marks management, event handling, placement drive info, and student performance stats.

End-to-End-Speech-Emotion-Recognition-with-Gender-Information   (Git link)   **Python, MYSQL, Keras,NumPy,**

– Developed a machine learning model that analyzes speech audio to recognize emotions and identify gender. Implemented audio feature extraction techniques and trained deep learning models for accurate classification.

Online Pharmacy Project   (Git link)   **React/JS**

– Engineered a fully responsive e-commerce frontend using React (Vite/JS) and CSS Modules, establishing a modular foundation for a large application.
– Developed a real-time searchable catalog with debounced input handling for efficient performance and built the UI framework for crucial features like secure Prescription Uploads and visual Order Tracking

Certifications

Full Stack Web Development Certification
Varcons Technologies

– Intensive, hands-on training focused on modern Full Stack development (HTML, CSS, JavaScript) and key frameworks: React.js (Frontend) and Node.js (Backend).