

Sai Bharath Vemula

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OBJECTIVE

Computer Science graduate with strong fundamentals in software engineering, data structures, algorithms, and object-oriented programming and hands-on experience in Python, Java, JavaScript, React, and SQL with hands-on experience in full-stack development. Skilled at designing, debugging, and testing applications with measurable improvements in accuracy and scalability. Eager to contribute to innovative projects and continuously expand expertise in modern web technologies and SDLC practices.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C

Frameworks / Libraries: ReactJS, Redux, NodeJS, ExpressJS

Web Technologies: HTML, CSS, TailwindCSS, RESTful APIs

Databases: MongoDB, MySQL, SQL

Cloud: Microsoft Azure, AWS

Tools / Practices: Git, GitHub, Postman

SOFT SKILLS

Soft Skills: Collaboration, Debugging and Testing, Analytical Problem-Solving, Time Management, Continuous Learning

PROJECTS

Swiggy Clone <i>Full Stack Food Delivery Web App</i>	ReactJS, ExpressJS, MongoDB 2024
BlogSphere <i>Blog Platform</i>	ReactJS, TailwindCSS, Appwrite 2023
AI Health Companion <i>ML Symptom Checker</i>	Python, scikit-learn, Tkinter 2023

– Developed a food delivery platform simulating Swiggy workflows using MERN stack (ReactJS, ExpressJS, MongoDB).
– Implemented secure authentication, role-based access control, and optimized RESTful APIs for scalability.
– Collaborated in Agile sprints, applied debugging techniques, and conducted testing for reliable performance.

– Built a responsive blogging system with authentication, CRUD operations, image upload, and real-time text editing.
– Designed reusable UI components using React and TailwindCSS, ensuring modern frontend performance.
– Integrated Appwrite backend for secure user management and scalable database handling.

– Developed a GUI-based application predicting illnesses from symptoms using supervised learning models.
– Applied hyperparameter tuning and debugging to improve accuracy and reliability of predictions.
– Integrated Tkinter-based frontend for user-friendly interactions and real-time results display.

EDUCATION

Kommuri Pratap Reddy Institute of Technology <i>B.Tech in Computer Science</i>	Hyderabad, India Aug 2020 – Jun 2024
– Relevant Coursework: Data Structures and Algorithms, Software Engineering, Operating Systems, DBMS, Web Technologies, Machine Learning	

CERTIFICATIONS

Microsoft Azure Fundamentals (AZ-900) – Microsoft

SQL for Data Science – Coursera

Problem Solving through Python – EBox