

# Sai Bharath Vemula

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## OBJECTIVE

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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

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**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

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

## PROJECTS

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**Swiggy Clone** ReactJS, ExpressJS, MongoDB  
*Full Stack Food Delivery Web App* 2024

- 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.

**BlogSphere** ReactJS, TailwindCSS, Appwrite  
*Blog Platform* 2023

- 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.

**AI Health Companion** Python, scikit-learn, Tkinter  
*ML Symptom Checker* 2023

- 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

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**Kommuri Pratap Reddy Institute of Technology** Hyderabad, India  
*B.Tech in Computer Science* Aug 2020 – Jun 2024

- Relevant Coursework: Data Structures and Algorithms, Software Engineering, Operating Systems, DBMS, Web Technologies, Machine Learning

## CERTIFICATIONS

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Microsoft Azure Fundamentals (AZ-900) – Microsoft

SQL for Data Science – Coursera

Problem Solving through Python – EBox