

Sai Bharath Vemula

+91-9912387181 | bharathvemula118@gmail.com | [linkedin.com/in/saibharath03](https://www.linkedin.com/in/saibharath03) | github.com/118bharath |

SUMMARY

Detail-oriented technology professional passionate about innovation and problem-solving. Thrives in collaborative environments while maintaining a strong commitment to delivering high-quality solutions. Demonstrates adaptability and continuous learning through diverse project implementations across modern technology stacks and platforms.

TECHNICAL SKILLS

Languages: Python, JavaScript, C

Frontend Development: ReactJS, TailwindCSS, HTML, CSS, Bootstrap

Databases: MySQL, DBMS

Cloud Platforms: Microsoft Azure, AWS

Tools & Technologies: Git, GitHub

Operating Systems: Windows OS

Networking: Computer Networks

PROJECTS

BlockChain Validator (Digital Certificates Validation) | *Python, Tkinter, TensorFlow*

- Created an advanced certificate verification platform using blockchain technology to prevent forgery and enhance document security
- Implemented decentralized verification protocols that ensure certificate authenticity across multiple industry sectors
- Utilized cryptographic hashing for a comprehensive security solution
- Designed an immutable ledger system that maintains verification integrity while offering user-friendly certificate validation

EmergencyAI (AI-Integrated Ambulance System) | *Python, Scikit-learn, NumPy, Matplotlib*

- Engineered an intelligent emergency response system that optimizes ambulance routing and patient care through AI integration
- Developed real-time data analysis capabilities between ambulances and healthcare facilities to improve critical decision-making
- Implemented machine learning algorithms to predict optimal treatment pathways
- Created visualization components to provide clear medical data interpretation for emergency personnel

TeslaVision (Static Website for Tesla Automobile Company) | *Reactjs, TailwindCSS, Azure*

- Developed a professional showcase website highlighting Tesla's innovative vehicle lineup and technology
- Engineered responsive layouts for optimal viewing across devices
- Successfully deployed and managed the application through Microsoft Azure Storage Account services
- Implemented performance optimizations for fast loading times and smooth user interactions

BlogSphere (Full-stack Blog Publishing Platform) | *Reactjs, Redux Toolkit, Appwrite, Tailwindcss*

- Developed a responsive blog publishing platform using React.js and Tailwind CSS where users can sign up and write/publish blog posts
- Implemented secure user authentication and authorization system using Appwrite's backend services for registration, login, and content management
- Utilized Redux Toolkit for efficient state management to handle user authentication state, blog data, and real-time synchronization
- Integrated Appwrite as backend-as-a-service for database management and API services with protected routes and user dashboards

EDUCATION

Kommuri Pratap Reddy Institute of Technology

Bachelor of Technology in Computer Science

Hyderabad, Telangana

Aug 2020 – June 2024

Narayana Junior College

Intermediate

Hyderabad, Telangana

June 2018 – May 2020

CERTIFICATIONS

Microsoft Azure Fundamentals (AZ-900): Fundamentals of Microsoft Azure for cloud computing services and solutions

Problem Solving, Data Structures and Algorithms through Python: Course covering problem-solving techniques, data structures, and algorithms using Python

SQL for Data Science: Course focused on SQL techniques for Data Science applications

Programming for Everybody (Getting Started with Python): Introductory course for beginners to learn the basics of Python programming