

VALLAPI SHAMBHAVI

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Career Objective

Aspiring Software Engineer with a strong foundation in Java, frontend technologies (HTML, CSS, JavaScript), and problem-solving skills. Knowledgeable in OOPs, DSA and experienced in collaborative projects and hackathons, showcasing leadership and creativity.

Education

Bachelor of Technology in CSE – JNTUH

St. Peter's Engineering College | CGPA: 9.61/10.0 (till 3rd year) / 2022-2026

Intermediate (MPC): Bhagyarathi Junior College, Hyderabad | CGPA: 9.75 | 2020-2022

SSC: Z.P.H.S Suraram Colony, Hyderabad | CGPA: 10.0 | 2019-2020

Skills

Technical Skills:

- **Programming Languages:** Java, Python
- **Frontend Technologies:** HTML, CSS, JavaScript
- **Backend Technologies:** DBMS
- **Others:** Data Structures and Algorithms
- **OOPs Concepts:** Classes & Objects, Encapsulation, Abstraction, Inheritance, Polymorphism, Conditional Statements, Exception Handling
- **Tools & IDEs:** Eclipse, VS Code, Git, Command Prompt, Arduino IDE

Key Strengths:

- **Problem Solving:** Strong programming knowledge in Java with good grasp of OOP concepts and algorithms
- **Team Collaboration & Leadership:** Led teams and actively contributed in hackathons and workshops
- **Social Responsibility & Volunteering:** Active volunteered in National Service Scheme (NSS) and community service programs.
- **Quick Learner & Adaptable**

Experience

1. **Personal Portfolio Website:** Developed a responsive personal portfolio to showcase skills, achievements, and projects with a modern UI.
Deployment: Used Vercel GitHub CI/CD, integrated with custom domain (Hostinger), configured DNS and HTTPS.
Tech Stack: TypeScript, JavaScript, HTML, CSS, Vercel, Hostinger
2. **100-Days DSA Challenge:** Solved 250+ coding problems in Java with explanations and screenshots.
Created a structured GitHub repository with daily commits, solution write-ups, and clean documentation.
Tech Stack: Java, Git, GitHub, Platforms: CodeChef, LeetCode
3. **Forest Endangered Detection System (IoT Project):** Built an IoT-based detection system using sensors to identify deforestation, smoke, and fire in real time. Presented in hackathons & project expos as an innovative solution for environmental monitoring.
Tech Stack: Arduino, Tilt Sensor, Gas Sensor, Fire Sensor, Arduino IDE
4. **AI-Based Skin Cancer Detection System:** Developed an AI-powered detection system that classifies skin cancer using image analysis. Implemented with TensorFlow + Flask and presented in project expos as a healthcare-focused application.
Tech Stack: Python, TensorFlow, Flask

Technical Certifications

1. **ServiceNow Certified System Administrator (CSA)** – Completed professional certification in ServiceNow covering configuration, UI customization, and workflow automation.
2. **Learn Java Certification** – CodeChef
3. **Practice Arrays Certification** – CodeChef
4. **Data Structures and Algorithms** – Infosys Springboard
5. **Google Cloud Computing Foundations** - Google Cloud Skill Boost
6. **Generative AI Virtual Internship** in Collaboration AICTE and EduSkills – Google Cloud (10 Weeks)
7. **Describe Cloud Service Types Certification** – Microsoft
8. **ChatGPT for Everyone** - GUVI

Coding Achievements

• CodeChef

- Silver Badge – Solved 250+ problems (Problem Solver)
- Gold Badge – 50 Days Coding Streak Maintained

• HackerRank

- Silver Badge – Python (★★★★), C (★★★★)

GitHub Profile Summary

Maintains multiple repositories in Java, Python, and Web Development:

1. **100-Days Java DSA Challenge** with solutions & explanations
2. **Portfolio Website** (TypeScript + Vercel deployment with CI/CD)
3. **AI-based Skin Cancer Detection app**
4. **Forest Endangered Detection System** combining IoT sensors and AI-based monitoring.

Co-Curricular Activities

- **Topper Medalist** – Secured 1st and 2nd year medals for academic excellence
- **Poster Presentation Winner** – 3rd place at Tech fest: India's Space Triumph
- **Hackathons & Workshops:**
 - **Vel Tech University, Chennai** – Forest Detection System using sensors and image alerts
 - **MLRIT Zignasa** – Built MERN stack web app in 36-hour hackathon
 - **BITS Pilani, Hyderabad** – Web Technologies Hackathon (24-hour)
- **Project Expo** – Vishesh 2K24 (MREC College): Presented AI-based Skin Cancer Detection