

VISHWA K

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SUMMARY

Computer Science undergraduate skilled in Java, Python, and SQL with strong knowledge of data structures and object-oriented programming. Passionate about solving real-world problems through efficient and scalable software solutions and seeking a Software Developer role.

TECHNICAL SKILLS

Languages: Java, Python, SQL

Web: HTML, CSS, JavaScript, React.js, REST APIs

Core: Data Structures, OOP, Operating Systems, Computer Networks

Databases: MySQL, JDBC

Tools: Git, GitHub, VS Code, Eclipse

PROJECTS

Defect Forge System

CNN-Based Engine Defect Detection

Jan 2025 – Mar 2025

Python, YOLO, Tkinter

- Built an automated engine defect detection system using CNN and YOLO
- Compared raw engine images with defect-free references to detect damaged parts
- Applied image preprocessing to improve detection accuracy
- Developed a Tkinter GUI for image upload and defect visualization

IntelliMeds Medical System

Telemedicine Application

Aug 2025 – Oct 2025

Python, Streamlit, Twilio, MySQL

- Developed a telemedicine platform for patient and prescription management
- Integrated MySQL for storing patient data and medication schedules
- Automated patient reminders using Twilio voice call APIs
- Implemented analytics to track medication adherence

EXPERIENCE

Cyber Security Intern

NSIC Technical Services Centre

Jun 2024 – Jul 2024

Chennai, Tamil Nadu

- Monitored network activity and analyzed security events using Sophos tools
- Performed vulnerability analysis through system and log inspection
- Studied endpoint security using controlled keylogging in a lab environment
- Documented findings and recommended preventive security measures

Cloud Computing Intern

DLK Technologies

Dec 2024 – Jan 2024

Chennai, Tamil Nadu

- Worked with AWS EC2, S3, and Lambda to understand cloud fundamentals
- Handled cloud storage access control and basic security practices
- Assisted in deployment and testing of cloud-based applications

Web Application Development Intern

ROBOWAVES (Test Yantra Software Solutions)

Mar 2025 - Apr 2025

Chennai, Tamil Nadu

- Developed responsive web applications using HTML, CSS, JavaScript, and ReactJS
- Built reusable React components to enhance UI/UX
- Collaborated using Git-based version control

EDUCATION

Panimalar Engineering College

B.E. Computer Science and Engineering

Chennai, Tamil Nadu
Sept 2023 – May 2027 (Expected)

J.B.A.S Matriculation Higher Secondary School

Higher Secondary Education

Chennai, Tamil Nadu
2022 – 2023

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 – Data Science Professional

NPTEL – Java

Intellipaat – Microsoft Azure