

# 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

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**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

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Oracle Cloud Infrastructure 2025 – Data Science Professional

NPTEL – Java

Intellipaat – Microsoft Azure