# Vaishnavi S V

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## SUMMARY

Motivated AI/ML enthusiast with strong programming skills in Python, Java, and C. Hands-on experience building ML models, Java Swing GUI applications (OOP, event-driven programming), and full-stack web solutions with React.js, SQL, and cloud tools (AWS, Docker). Eager to transition into a Java Full Stack Developer role, applying AI concepts and backend/frontend expertise to build scalable, user-centric applications in collaborative teams.

## TECHNICAL SKILLS

**Languages:** Java, Python, C, JavaScript, SQL, HTML5, CSS3

**Java & Backend:** Java Swing, OOP, Event-Driven Programming, Java Collections Framework, JDBC, Servlets, JSP, REST API, Flask, Streamlit

**Frontend & Concepts:** React.js, Responsive Web Design, GUI Development, MVC Architecture, Data Structures & Algorithms

**Databases & Cloud:** MySQL, Database Design, AWS, Docker, Git/GitHub

**Analytics & BI:** AI/ML, Data Analytics, Data Visualization, Tableau, Excel, Power BI, scikit-learn

**Tools & IDEs:** Eclipse, IntelliJ IDEA, VS Code, MySQL Workbench, Apache Tomcat, Figma, Jupyter Notebook

**Soft Skills:** Leadership, Agile Development, Problem Solving, Logical Thinking, Team Collaboration, adaptability, time management

## PROFESSIONAL EXPERIENCE

### Full Stack Java Intern – Cloud Institute

*February 2026 – Present | Bengaluru, India*

- Worked as a full-stack Java intern using Java, JDBC, Servlets, JSP, MySQL, and SQL for backend development and database operations, ensuring efficient data handling and application functionality.
- Gained exposure to GitHub for version control along with a foundational understanding of AWS, Docker, Kubernetes, and AI tools while following SDLC in a collaborative development environment.

### Machine Learning Intern – Jyesta Corporate Entity

*July 2025 – August 2025 | Virtual*

- Built and optimized machine learning models on real-world datasets, collaborating on data preprocessing, feature engineering, and model evaluation using Python and scikit-learn, with exposure to TensorFlow.
- Also completed the SPARK Internship Program (Oct 2024, Shimoga) – structured AI research in healthcare, applying ML techniques to medical data analysis.

## PROJECTS

### Hospital Management System

*April 2025 – Present*

- Developed a web-based hospital management system using Java, Servlets, JSP, Apache Tomcat, and MySQL for backend development and database management.
- Designed and implemented the frontend using HTML, CSS, JavaScript, and JSP, ensuring seamless frontend-backend integration for managing hospital operations.

### Crop Recommendation System

*May 2025 – December 2025*

- Developed a machine learning-based web application for crop recommendation using soil pH, temperature, and humidity data (SVM, Random Forest); designed a responsive UI and integrated the model with a Flask backend for real-time recommendations, following an Agile approach.

### Parkinson's Disease Detection

*August 2025 – January 2026*

- Built a machine learning model for Parkinson's disease detection using voice measurement data with SVM and Decision Trees, following a milestone-based approach for structured project development.

### Pneumonia Detection Using Machine Learning

*October 2024*

- Built a pneumonia detection system using chest X-ray datasets (NIH, RSNA, Kaggle) with DenseNet-121/ResNet-50, achieving 94–98% accuracy via data augmentation, transfer learning, and Grad-CAM visualization.

## EDUCATION

### Bachelor of Engineering, Information Science – Jawaharlal Nehru National College of Engineering

*December 2022 – June 2026 | Shimoga, India*

*CGPA: 9.2*

### Pre-University Course (PCMB) – Government PU College

*June 2020 – April 2022 | Sagar, India*

*Percentage: 87%*

## CERTIFICATIONS

Data Analytics Program (Intel) | B.E Honors – VTU (Cloud Computing, Python, Social Networks, AI) | Programming in Java (NPTEL) | Java Software Developer (ICT Academy) | Web Development Fundamentals (IBM) | Data Science and Analytics (HP LIFE) | Data Analytics (Deloitte) | Yugma Techfest (IEEE Computer Society)