

Vaishnavi S V

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PROFILE

Final-year information science engineering student with a strong foundation in software development and databases, along with hands-on experience in building web-based applications. Good understanding of SDLC and software development processes. Eager to contribute and grow in a global technology-driven environment.

PROFESSIONAL EXPERIENCE

Full Stack Java - Cloud Institute

02/2026 – 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 basic understanding of AWS, Docker, Kubernetes, and AI tools while following SDLC in a collaborative development environment.

Jyesta Corporate entity

07/2025 – 08/2025
Virtual

- Built and optimized machine learning models on real-world datasets to enhance prediction accuracy.
- Collaborated with team members on data preprocessing, feature engineering, and model evaluation using Python and scikit-learn (with exposure to TensorFlow).

SPARK Internship Program

10/2024 – 10/2024
Shimoga, India

- Completed a structured internship program focused on advancing AI research and applications in healthcare.
- Gained hands-on experience with machine learning techniques for analyzing medical data and improving health outcomes.

EDUCATION

Bachelor of Engineering

12/2022 – 06/2026
Shimoga, India

Jawaharlal Nehru National College of Engineering
B.E in Information Science, CGPA: 9.04

Pre-University Course

06/2020 – 04/2022
Sagar, India

Government PU College

PUC in PCMB, Percentage: 87%

SKILLS

Technical Skills

AIML, Python, Java, HTML, CSS, JavaScript, SQL, MS Excel, Tableau, LaTeX, Data Visualization, Data Structure and algorithms, React.js, Cloud (AWS), Database, Git/GitHub, Docker, Latex, MatLab, Data Analytics, Jenkins.

Soft Skills

Leadership, communication, problem-solving, team management, listening, patience, adaptability, teamwork, multitasking, time management, customer focus.

Tools and IDE's

Eclipse, IntelliJ IDEA, Visual Studio Code, MySQL Workbench, Apache Tomcat, Git & GitHub, Figma, Docker Desktop, AWS Console, and Jupyter Notebook.

AI Tools: Generative AI, Agentic AI, Claude AI, ChatGPT, GitHub Copilot, Napkin AI.

CERTIFICATES

Data Analytics Program Intel	Programming in Java Nptel	Java Software Developer ICT Academy
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B.E Honors
VTU (Cloud computing, Python,
social networks, AI)

PROJECTS

Crop Recommendation System •Developed a machine learning–based web application for crop recommendation using soil pH, temperature, and humidity data, leveraging SVM and Random Forest models to achieve high prediction accuracy. •Designed a responsive user interface and integrated the ML model with a Flask backend to deliver real-time recommendations, following an iterative, Agile development approach with continuous peer feedback to enhance usability and product quality	05/2025 – 12/2025
Parkinson's Disease Detection • Built a machine learning model for Parkinson's disease detection using voice measurement data, focusing on data preprocessing and feature handling. • Implemented classification models using SVM and Decision Trees with an Agile-inspired, milestone-based approach for structured project development and progress tracking.	08/2025 – 01/2025
Pneumonia Detection Using Machine Learning with Medical Imaging Datasets • Built a pneumonia detection system using chest X-ray datasets (NIH, RSNA, Kaggle) achieving 94–98% accuracy with deep learning models like DenseNet-121 and ResNet-50. • Improved performance using data augmentation and transfer learning and applied Grad-CAM for visualization of affected lung regions for better explainability.	10/2024 – 10/2024
Hospital Management System • Developed a web-based hospital management system using Java, Servlets, JSP, Apache Tomcat, and MySQL for backend development and database management. • Designed and implemented frontend using HTML, CSS, JavaScript, and JSP, ensuring seamless frontend-backend integration for managing hospital operations.	04/2025 – Present

PUBLICATIONS

A Comprehensive Review On Parkinson's Disease Detection Techniques <i>Manisha KM, Sindhu VB, Siri CK, Vaishnavi SV, Yashaswini BM</i> Published a research paper titled “A Comprehensive Review on Parkinson's Disease Detection Techniques” focusing on various machine learning and data-driven approaches for early disease detection.	10/10/2025
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