

Vaishnavi Patil

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Professional Summary

Results-driven Computer Science and Engineering student with hands-on experience in **full-stack development** (MERN, React.js, Node.js, Express.js) and **cloud computing** (AWS, DigitalOcean). Skilled in building **responsive, scalable web applications**, integrating **RESTful APIs**, and optimizing performance and accessibility. Strong foundation in **Data Structures, Algorithms, and Agile methodology** with a proven record of delivering academic and real-world projects achieving **90+ Lighthouse scores**. Excellent problem-solving, teamwork, and communication skills.

Education

Bachelor of Technology in Computer Science and Engineering

Dec 2022 – May 2026

Jain College of Engineering and Research, Belagavi, Karnataka

CGPA: 8.14 / 10

Experience

Cloud Intern – Softmusk Pvt Ltd

Jun 2024 – Aug 2024

Belagavi, India

- Deployed and managed **cloud instances** using AWS EC2 and DigitalOcean Droplets, improving deployment speed by 30%.
 - Configured networking components including **IP addressing, DNS, and load balancing** for high-availability systems.
 - Set up and monitored virtual machines in **Linux environments** for development and testing.
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Projects

1. Placify – Campus Placement Preparation Platform (MERN Stack)

- Designed a centralized platform for campus placement preparation, offering **company profiles, skill requirements, previous papers, and resume templates**.
- Enhanced student placement readiness by providing **searchable resources** and role-specific guidance.

2. Smart Greenhouse System using IoT

- Developed an automated **greenhouse monitoring and control system** using Adafruit Metro ESP32 micro-controller.
 - Integrated IoT platforms such as **Telegram, ThingSpeak, and Blynk** for **real-time alerts, data visualization, and remote control**.
 - Automated temperature, humidity, and soil moisture regulation for optimal plant growth and reduced water usage.
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Certifications

- Full Stack Web Development – AcmeGrade, 2025
 - Basic Python – Delithe, 2024
 - Embedded C with ESP32-S2 – Delithe, 2025
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Technical Skills

Languages: C, C++, Java, Python, JavaScript

Frameworks: Node.js, React.js, Express.js, Flask

Web Technologies: HTML, CSS, RESTful APIs, Responsive Design

Databases: MongoDB, MySQL

Cloud: AWS, DigitalOcean

Tools: Git, GitHub, Postman, VS Code, Linux

Methodologies: Agile, Scrum

Achievements

- Delivered academic and practical projects involving **full-stack, IoT, and cloud** technologies.
 - Successfully integrated APIs such as **OpenAI and Gemini** to build productivity tools.
 - Demonstrated leadership in **hackathons and collaborative projects**, achieving top performance metrics.
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Relevant Coursework

Data Structures and Algorithms, Operating Systems, Database Management Systems, Computer Networks, Software Engineering
