

# Vijis Durai R

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## Professional Summary

Information Technology student with 2+ years of hands-on experience in full-stack development, AI/ML, and software engineering. Proficient in Java, Python, React.js, and Flask with demonstrated expertise in building scalable applications. Successfully developed job-matching platform and AI-powered plant classifier with high accuracy rates. Proven ability to collaborate effectively in team environments and deliver impact-driven technical solutions.

## Education

Saveetha Engineering College, B.Tech Information Technology	Nov 2022 - May 2026
• <b>GPA:</b> 8.37/10 (Consistent High Academic Performance)	
• <b>Relevant Coursework:</b> Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Software Engineering, Computer Networks, Machine Learning, Web Technologies	

## Technical Skills

- **Programming Languages:** Java (Advanced - 2 years), Python (Advanced - 2 years), C (Intermediate - 1 year), JavaScript (Intermediate - 1 year)
- **Web Technologies:** HTML5, CSS3, React.js, Tailwind CSS, Flask, RESTful APIs, Responsive Design
- **Databases & Storage:** MySQL, MongoDB, Database Design, Query Optimization
- **AI/ML & Data Science:** Machine Learning, Deep Learning, Computer Vision, NLP, PyTorch, TorchVision, LangChain, GPT Integration
- **Development Tools:** Git, GitHub, VS Code, Postman, StreamLit, Docker (Basic)
- **Soft Skills:** Problem-Solving, Team Leadership, Project Management, Technical Communication, Analytical Thinking, Adaptability

## Experience

Web Developer Intern - Arjun Vision Tech Solutions, Chennai	July 2024 – August 2024
• Completed intensive 8-week training program in modern web development technologies (HTML5, CSS3, JavaScript ES6+), mastering 15+ practical projects and industry best practices for responsive web design.	
• Architected and developed "EdoScheduler", a comprehensive task management application featuring 4 core modules (to-do lists, notes, calendar integration, habit tracking) using vanilla JavaScript and localStorage, successfully collaborating with 3-member development team to deliver project 2 weeks ahead of schedule.	
Overall Student Coordinator - Drestein 2024, Saveetha Engineering College	Nov 2024
• Coordinated national-level technical symposium with 200+ participants from 15+ institutions, managing 5-member organizing committee, event logistics, and technical paper presentation sessions, achieving 95% participant satisfaction rate and seamless event execution.	

## Projects

OptiHire - AI-Powered Resume Analyzer & Job Matcher	github.com/Vijisdurai/OPTEHIRE
• Engineered comprehensive job-matching platform processing 500+ resume entries with 87% accuracy in skill-based job recommendations. Implemented advanced NLP parsing algorithms, responsive React.js frontend with dynamic filtering capabilities, and integrated LangChain with LLM for intelligent job matching.	
• Deployed scalable Flask backend with RESTful APIs supporting 50+ concurrent users, implementing secure user authentication, data validation, and real-time job recommendation engine with 2-second average response time.	
• <b>Technical Stack:</b> Python, Flask, React.js, Tailwind CSS, LangChain, NLP, RESTful APIs, MySQL, Git	
BioBotanica – AI-Powered Medicinal Plant Classifier	github.com/Vijisdurai/BioBotanica
• Developed deep learning image classification system achieving 92% accuracy on dataset of 8,000+ medicinal plant images using optimized ResNet architecture. Integrated LangChain with GPT-3.5 for automated extraction and delivery of comprehensive medicinal properties and usage information.	
• Built interactive web application using StreamLit framework enabling real-time plant identification with image upload	

functionality, comprehensive medicinal information retrieval, and user-friendly interface supporting 100+ plant species classification.

- **Technical Stack:** Python, PyTorch, TorchVision, StreamLit, Computer Vision, NLP, GPT-3.5, LangChain, ResNet, Image Processing

## Certifications & Achievements

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- **IBM Full-Stack Developer Professional Certificate** - In Progress (Expected Completion: March 2025)
- **Microsoft Azure AI Associate (AI-900)** - Certified in AI and Machine Learning on Azure Platform (2024)
- **Introduction to MongoDB for Students** - Database Management and NoSQL Fundamentals (2024)
- **Academic Excellence:** Maintained 8.37/10 GPA consistently across 5 semesters with Dean's List recognition
- **Leadership:** Successfully coordinated national-level symposium with 200+ participants and 95% satisfaction rate