# Vijis Durai R

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## Education

**Saveetha Engineering College**, B.Tech Information Technology                    Nov 2022 - May 2026

- **GPA:** 8.37/10
- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Software Engineering, Computer Networks, Data Science , Web Technologies, Ethical Hacking, OS

## Experience

**Web Developer Intern** - Arjun Vision Tech Solutions, Chennai                    July 2024 – August 2024

- Completed intensive 4-week training program in modern web development technologies (HTML5, CSS3, OOPS, JavaScript), mastering and applied on 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 JavaScript and localStorage, successfully.

**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.
- **Technical Stack:** 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 with GPT-4 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 10+ plant species classification.
- **Technical Stack:** Python, PyTorch, TorchVision, StreamLit, Computer Vision, NLP, GPT-3.5, LangChain, ResNet, Image Processing

## Technical Skills

- **Programming Languages:** Java, Python, JavaScript, C
- **Web Technologies:** HTML5, CSS3, Tailwind CSS, Flask, RESTful APIs, Responsive Design, FastApi
- **Databases & Storage:** MySQL, MongoDB
- **AI/ML Skills:** Openai API, Hugging Face, Prompt Engineering
- **Development Tools:** Git, GitHub, VS Code, Postman, StreamLit, Pycharm, Cursor, fireBase Studio, WindSurf
- **Soft Skills:** Problem-Solving, Team Leadership, Project Management, Technical Communication, Analytical Thinking, Adaptability, Active Learner

## Certifications

- **IBM Full-Stack Developer Professional Certificate** - In Progress (Expected Completion: Sep 2025)
- **Microsoft Azure AI Associate (AI-900)** - Certified in AI and Machine Learning on Azure Platform (May 2024)
- **Introduction to MongoDB for Students** - Database Management and NoSQL Fundamentals (March 2024)
- **Google Cloud:** Preparing For Google Cloud Certification Cloud Developer (Dec 2024)