

# Vijayalakshmi M

Full Stack Developer | Python (Flask), Node.js, Firebase & Modern Web Development

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## SUMMARY

Full Stack Developer with experience building responsive web applications using React, Python (Flask), Node.js, and Firebase. Skilled in frontend design (HTML5, CSS3, Bootstrap) and backend development. Additional expertise in machine learning and deep learning. Passionate about clean code and solving problems.

## SKILLS

<b>Frontend Development</b>	: HTML5, CSS3, JavaScript, React, Bootstrap, CSS Animations
<b>Backend Development</b>	: Python (Flask), Node.js, Java, C++
<b>Database &amp; Cloud</b>	: MongoDB, Firebase, MySQL
<b>Machine Learning &amp; AI</b>	: PyTorch, NLP, Computer Vision
<b>Data Science &amp; Analytics</b>	: R, Python (Pandas, Matplotlib), scikit-learn (RandomForest, SVM, Logistic Regression)
<b>Tools &amp; Practices</b>	: Git & GitHub (basic usage), Problem-Solving, Debugging, Technical Writing
<b>Languages</b>	: Hindi, English, Tamil

## EXPERIENCE

### Full Stack Developer Intern, Unified Mentor, (remote) Mar 2025 — Apr 2025

- Designed and developed two full-stack web applications: a **personal portfolio website** and a **student-teacher appointment booking system**.
- Built responsive front-end interfaces using HTML, CSS, and JavaScript.
- Implemented backend logic and database integration for the appointment system.
- Deployed applications using Firebase and ensured cross-browser compatibility and Used Firebase Authu fir secured login.

### Web Software Developer, S3 Remotica Technologies, Alangulam, India May 2025 — Jun 2025

- Developed a responsive static website using React, Bootstrap, CSS, HTML, and JavaScript.
- Implemented CSS animations and modern UI/UX practices.
- Optimized website performance and ensured mobile responsiveness.

## EDUCATION

### B.Sc. Artificial Intelligence and Machine Learning, Tirunelveli, India - *Manonmaniam Sundaranar University* Jul 2023 — Present

## PROJECTS

### PhishNet: A Machine Learning Approach To Detect Phishing URLs, [Link](#) Sep 2025 — Nov 2025

- Built a phishing detection system using RandomForest, SVM, and Logistic Regression.
- Designed data preprocessing and model training pipeline with Python and scikit-learn.
- Deployed model for real-world testing and evaluation.

### Student-Teached Appointment-Booking-App, [Link](#) Jun 2025 — Jul 2025

- Designed and deployed a responsive appointment booking system with modern UI.
- Implemented real-time database functionality using Firebase Realtime DB.
- Built dynamic features with React, Bootstrap, CSS, and HTML for seamless user experience.

### Groceries-Website, [Link](#) May 2025 — Jun 2025

- Developed a responsive e-commerce website using React, Bootstrap, and CSS animations.
- Implemented product filtering and dynamic UI components.
- Hosted on GitHub for public access (student project).

### Personal-Portfolio, [Link](#) Mar 2025 — Apr 2025

- Designed and built a fully responsive portfolio using HTML5 and CSS3.
- Showcased projects, skills, and contact information with clean, modern layout.
- Optimized for mobile and desktop viewing.

## Deep Learning with PyTorch : Generative Adversarial Network, Coursera Project Network, [Link](#)

- -Implemented and trained GANs for realistic image generation using PyTorch.
- -Demonstrated understanding of deep learning architectures and computer vision.

## PUBLICATIONS

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**2nd International Conference on Recent Trends in Data Science (ICRTDS@24), St. Xavier's College (Autonomous), Palayamkottai** **Oct 2024**

Generative Artificial Intelligence: A Comprehensive Review Of Concepts, Applications And Future Directions. (ISBN :978-93-341-3499-5)

**ARTIFICIAL INTELLIGENCE IN IMAGE PROCESSING USING DEEP LEARNING , New Horizon College, Kasturinagar** **May 2025**

(P-ISBN: 978-93-92229-38-1 | E-ISBN: 978-93-92229-86-2)

## CERTIFICATIONS

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### Technical & Data Skills:

**Introduction To Machine Learning, SkillElected Campus Program** **Apr 2025**

**Introduction to Artificial Intelligence, AI Campus Connect with IBM SkillsBuild** **Aug 2025**

**MongoDB Basics for Students, MongoDB** **Aug 2025**

**Google Analytics Certification, United Latino Students Association** **Aug 2025**

**Get started with data science in Microsoft Fabric, Microsoft Learning** **Sep 2025**

**Prepare data for analysis with Power BI, Microsoft Learning** **Sep 2025**

**Choose a Power BI model Framework, Microsoft Learning** **Sep 2025**

### Business & Simulation:

**Tata Group - Data Visualisation: Empowering Business with Effective Insights Job Simulation, Forage** **Apr 2025**

**Tata Group - Cybersecurity Analyst Job Simulation, Forage** **Apr 2025**

**Introduction to Data Analysis using Microsoft Excel, Coursera Project Network** **Mar 2025**

## VOLUNTEERING

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### Event Assistant – G20 Event

*Assisted Assistant Professor | [Manonmaniam Sundaranar University, Tirunelveli] | [November, 2023]*

- Supported the organization and coordination of the **G20 event**, ensuring smooth execution.
- Helped with **technical setup, communication, and documentation** during the event.
- Collaborated with faculty and students to ensure a professional and engaging experience.

**Event Volunteering** – Help in college fests, workshops, or community events and also participated in waste collection and promoted environmental awareness.