

# R Naveen Daniel

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## PROFESSIONAL SUMMARY

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Results-driven **Full Stack Developer** and final-year **Computer Science** student with **4 internships** and proven experience delivering production-ready web applications. Proficient in **Python, Django, Laravel (PHP), React.js**, and **REST API development**. Hands-on experience with **PostgreSQL, MySQL, Redis, WebSockets**, and **test automation** using Selenium and Playwright. Demonstrated ability to work in **Agile/Scrum** environments, apply **OOP principles, MVC architecture**, and **SDLC** best practices. Seeking a **Software Developer** or **Software Engineer** role to build scalable, high-performance systems.

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript (ES6+), PHP, HTML5, CSS3, SQL

**Frameworks & Libraries:** Django, Django REST Framework, Laravel, React.js, Next.js, Bootstrap, Pandas, NumPy, Scikit-learn, Matplotlib

**Databases:** PostgreSQL, MySQL, MongoDB, Redis

**Developer Tools:** Git, GitHub, Postman, VS Code, Selenium, Playwright, Vite

**Concepts:** REST API Design, JWT Authentication, Role-Based Access Control (RBAC), OOP, Data Structures, MVC Architecture, WebSockets, Agile/Scrum, Test Automation, SDLC, System Design Basics, Computer Networks, Operating Systems, DBMS

## INTERNSHIP EXPERIENCE

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### Software Development Intern

Oct 2025 – Dec 2025

Poorna Technology Consulting, Coimbatore, Tamil Nadu

- Maintained and enhanced **RESTful APIs** for a production blog application using **Django** and **Laravel**, applying **MVC architecture** and **OOP principles** across 5 core modules.
- Designed and executed automated test suites using **Selenium** and **Playwright**, reducing manual QA effort by **40%** and cutting the release cycle by **1 week**.
- Collaborated in an **Agile/Scrum** team following sprint-based **SDLC** practices, participating in daily standups, code reviews, and sprint retrospectives.
- *Stack: Python, Django, Laravel, PostgreSQL, Selenium, Playwright, REST API, Git*

### Frontend Development Intern

Jul 2025 – Aug 2025

Leader's Desk, Coimbatore, Tamil Nadu

- Engineered **10 reusable UI components** for an online learning platform using **HTML5, CSS3**, and **JavaScript (ES6+)**, ensuring cross-browser compatibility and responsive design.
- Integrated **REST APIs** into frontend modules and collaborated with a team of 3 developers, delivering all feature modules **2 days ahead of schedule**.
- *Stack: HTML5, CSS3, JavaScript (ES6+), Bootstrap, REST API, Git*

### Python Full Stack Intern

Jun 2024 – Jul 2024

Emglitz Technologies, Coimbatore, Tamil Nadu

- Built a **machine learning landslide prediction model** achieving **85% classification accuracy** using **Scikit-learn** on real-world geological datasets.

- Developed a structured **data preprocessing pipeline** covering null handling, feature encoding, normalization, and train-test evaluation, improving model performance by 18%.
- Created **5 data visualization dashboards** using **Matplotlib** and **Seaborn** to communicate environmental risk insights to stakeholders.
- *Stack: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn*

## Full Stack Development Intern

Nov 2023 – Jan 2024

Altruistry Internship Program, Remote

- Contributed **8 frontend components** to a full-stack web application following **SDLC** and component-based design principles within a 3-month **Agile sprint** cycle.
- Delivered **mobile-friendly, WCAG-accessible layouts** for 4 web pages, reducing layout inconsistencies by **30%** through reusable component architecture.
- *Stack: HTML5, CSS3, JavaScript, Responsive Design, Git*

## PROJECTS

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### Sign Language Recognition System (Final Year Project)

2025 – 2026

React.js, Django, TensorFlow, MediaPipe, PostgreSQL, REST API

- Engineered a **real-time sign language detection system** for deaf and speech-impaired users, achieving **82% gesture classification accuracy** using **TensorFlow** deep learning model and **MediaPipe** hand landmark tracking.
- Built a **React.js** frontend with live webcam integration that processes hand gestures and renders **real-time text output**, reducing communication barriers for 466 million deaf individuals worldwide.
- Architected a **Django REST Framework** backend with **JWT authentication**, user management, and gesture inference APIs, deployed as a **3-member Agile team** with full SDLC compliance.
- *Stack: React.js, Django, TensorFlow, MediaPipe, PostgreSQL, REST API, JWT, Git*

### Multi-Vendor E-Commerce Platform

2024 – 2025

Laravel, PHP, PostgreSQL, Redis, WebSockets, Blade, Google OAuth

- Designed and developed a **full-stack multi-vendor e-commerce platform** with **3 role-based access panels** (Admin, Vendor, Customer) using **Laravel MVC**, **RBAC**, and **Blade templating**.
- Implemented **Google OAuth (Laravel Socialite)** for seamless customer authentication and **asynchronous Redis job queues** for payment, inventory, and shipping processing, improving order throughput.
- Integrated **Laravel Reverb WebSockets** for real-time order status notifications across all user roles and **PostgreSQL** schema for scalable multi-vendor data management.
- *Stack: Laravel, PHP, PostgreSQL, Redis, WebSockets, Blade, Google OAuth, Git*

### Landslide Risk Prediction Model

Jun 2024 – Jul 2024

Python, Pandas, Scikit-learn, Matplotlib, Seaborn

- Developed a **supervised ML classification model** with **85% accuracy** for landslide risk prediction using a 4-stage preprocessing pipeline on geological benchmark datasets.
- Produced **5 interactive risk visualizations** using Matplotlib and Seaborn to present environmental hazard analysis to a stakeholder team of 4 members.
- *Stack: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn*

## EDUCATION

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### Bachelor of Engineering – Computer Science and Engineering

2022 – 2026

Kathir College of Engineering, Coimbatore, Tamil Nadu

**CGPA: 7.9 / 10.0**

## **CERTIFICATIONS**

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- **Frontend Development** – CSC
- **Software Engineering and Agile Development** – Infosys Springboard
- **GenAI and Data Analytics Simulation** – TATA Forage

## **ACHIEVEMENTS & VOLUNTEER WORK**

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- **Hackathon Coordinator** – Internal Hackathon, Kathir College of Engineering
- **Participant** – National Innovate Hackathon 4.0, EMATIX
- **Participant** – HackronyX National Level Hackathon, SVPCET Nagpur
- **2nd Place** – Logo Creation Competition, RVS College
- **2nd Place** – Power BI Technical Event, KPRIET