

MALINI BALAJI

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PROFESSIONAL SUMMARY

Full Stack Developer with hands-on experience in building scalable web applications using **React.js, Next.js, FastAPI, JavaScript, TypeScript, PostgreSQL, MongoDB, and REST APIs**. Currently developing **AIVerse**, an AI-powered learning platform featuring authentication, dashboards, AI tutoring, quizzes, and progress tracking. Passionate about building impactful software and continuously learning modern technologies.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript (ES6+), HTML5, CSS3, SQL, PostgreSQL, MongoDB

Frameworks & Libraries: React.js, Next.js, TailwindCSS, Bootstrap

Backend: FastAPI, Django, Node.js, Express.js

Tools & Security: Kali Linux (Nmap, Hashcat, Zphisher), Git, GitHub, Power BI, VS Code

Concepts: Rest APIs, JWT Authentication, Responsive Design, CRUD Operations, API Integration

WORK EXPERIENCE

MCQ Evaluation using AI Software — Intern

Dec 22, 2025 – Jan 21, 2026

Resileo Labs LLP (Open Mentor Trust, Chennai Vidya Shakti Project) | Chennai, India

- Worked with the **EvalBee AI-powered MCQ evaluation platform** to support digital assessment and evaluation workflows.
- Prepared and maintained **Excel-based documentation**, reports, and assessment records to ensure accurate data management.
- Collaborated directly with senior staff and developers to identify, troubleshoot, and resolve UI issues and workflow bottlenecks, improving overall system reliability.

PROJECTS

AIVerse – AI-Powered Learning Platform (Current Project) | *Next.js, React.js, FastAPI, PostgreSQL, Supabase, Tailwind CSS, TypeScript, REST APIs*

- Developed an AI-powered full-stack learning platform using Next.js, FastAPI, and PostgreSQL.
- Implemented secure user authentication and authorization using Supabase Auth and JWT.
- Built a responsive student dashboard for personalized learning and progress tracking.
- Designed scalable REST APIs and integrated frontend with backend services.
- Currently developing an AI Tutor to provide interactive learning assistance.

Volunteer Registration System | *MongoDB, Express.js, React.js, Node.js (MERN)*

- Built a secure Volunteer Registration System using MongoDB, Express.js, React.js, and Node.js.
- Implemented JWT-based admin authentication, integrated MongoDB for data storage, and added CSV report generation to enable secure management and easy export of volunteer records.

Netflix Clone | *React.js, REST API, JavaScript, CSS3, GitHub*

- Built a responsive Netflix-style streaming interface.
- Integrated REST APIs.
- Implemented React Hooks and dynamic routing.

Vulnerability Detection System | *Kali Linux, Nmap, Hashcat, Zphisher*

- Planned and executed comprehensive network security assessments using Kali Linux tools, including Nmap and Hashcat, to identify, analyze, and mitigate potential system-level threats.
- Generated structured security reports.

EDUCATION

Bachelor of Computer Science

2023 – 2026

Swami Dayananda College of Arts & Science, India