

Vignesh Sivakumar

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Objective

Full Stack Developer with expertise in modern web technologies, building scalable applications, and secure authentication. Passionate about problem solving, open source contributions, and industry best practices.

Education

Bannari Amman Institute of Technology, BE in Information Science and Engineering Sept 2023 – July 2027

- **CGPA:** 7.4/10.0
- **Relevant Courses:** Computer Architecture, Computational Theory

Projects

Portfolio Website

UCar - Used Car Marketplace GitHub

- **Problem:** Traditional marketplaces rely on seller-provided images and details, often leading to misrepresentation.
- **Solution:** Integrated a mechanic inspection service to verify vehicle conditions before listing.
- **Implementation:**
 - Developed a booking system for users to schedule inspections with certified mechanics.
 - Implemented real-time communication between buyers, sellers, and mechanics.
 - Built a dynamic web app for transparent car assessments with photos, videos, and reports.
- **Outcome:**
 - Increased buyer trust with verified car reports.
 - Reduced fraudulent listings through third-party validation.
 - Enhanced user experience with seamless scheduling and secure payments.
- **Tech Stack:**
 - **Frontend:** React.js, Tailwind CSS, Material UI
 - **Backend:** Node.js, Express.js
 - **Database:** PostgreSQL
 - **Authentication:** JWT, Token-based authentication

Technical Skills

- **Programming Languages:** C++, C, Java, SQL, JavaScript
- **Frontend:** HTML, CSS, JavaScript, React.js
- **Backend:** Node.js, Express.js
- **Database:** MySQL, PostgreSQL
- **Tools:** Git, GitHub, Postman

Courses and Certifications

- **Google Ads Apps Certification**, by Google March 2024
- **Google Ads Display Certification**, by Google March 2024
- **Introduction to Cyber Security**, offered by Cisco Networking Academy April 2024
- **SQL and Relational Databases 101**, Cognitive Class (IBM) January 2025
- **JavaScript Essentials 1**, offered by Cisco Networking Academy July 2025
- **JavaScript Essentials 2**, offered by Cisco Networking Academy July 2025