

ARYAN VANIYA

Junagadh, Gujarat, India | +91 8980236994 | aryanvaniya831@gmail.com | LinkedIn

PROFESSIONAL SUMMARY

Computer Engineering undergraduate with hands-on experience developing full-stack web applications and RESTful APIs using C#, ASP.NET Core, Python, and JavaScript. Strong foundation in Object-Oriented Programming, Data Structures & Algorithms, and MVC architecture, with practical exposure to database design (MySQL, PostgreSQL), authentication/authorization (JWT, BCrypt), and machine learning (Scikit-learn). Additional experience in application security testing (VAPT, SIEM analysis) brings a security-conscious approach to software development. Seeking an entry-level Software Engineer / Full-Stack Developer role to build scalable, secure, and high-performance applications.

TECHNICAL SKILLS

Languages: C, C++, Java, Python, JavaScript

Frontend: HTML5, CSS3, JavaScript, Responsive Web Design

Backend & APIs: ASP.NET Core Web API, C#, Entity Framework Core, Flask, RESTful API Design, JWT Authentication, BCrypt

Databases: MySQL, PostgreSQL, Relational Database Design

Machine Learning: Scikit-learn, Support Vector Machines (SVM), Model Deployment

Tools & Platforms: Git, GitHub, VS Code, Postman, Render

Security: Vulnerability Assessment & Penetration Testing (VAPT), Burp Suite, SQLMap, Wazuh SIEM, OSINT, Access Control

Core CS Concepts: Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA), MVC Architecture, System Design, Concurrency Handling, API Security

INDUSTRIAL EXPERIENCE

Web Developer Intern | NexPravah

June 2025 (15 Days) | Surat

- Developed a full-stack Notes Management System using HTML, CSS, and JavaScript, delivering a functional CRUD-based web application end-to-end.
- Designed and implemented RESTful APIs for user authentication, data storage, and CRUD operations, following standard REST conventions.

Cybersecurity Intern | Hacker4Help

June 2026 (15 Days) | Anand

- Executed web application VAPT using Burp Suite, identifying Broken Access Control vulnerabilities and privilege escalation risks — experience directly applicable to writing more secure application code.
- Tested authentication and server-side input validation using SQLMap to prevent account takeover and IDOR vulnerabilities.
- Analyzed threat and system logs using Wazuh SIEM and performed OSINT reconnaissance via Google Dorking.

PROJECTS

Movie Booking Application | ASP.NET Core, C#, Entity Framework Core, MySQL, JWT, BCrypt

- Built a scalable REST API for movie/show management and seat booking, handling concurrent requests to prevent duplicate seat bookings.
- Implemented JWT-based authentication with role-based access control (RBAC), BCrypt password hashing, and centralized exception handling for reliability and security.
- Applied input validation and structured error handling across all API endpoints to improve application robustness.

CropSense: AI Crop Recommendation System | Python, Flask, Scikit-Learn, JavaScript, HTML5/CSS3

- Built a Flask REST API integrating a Support Vector Machine (SVM) model that recommends 22 crop types from environmental and soil data, achieving 98.86% test accuracy.
- Deployed the live application on Render and conducted functional/UI testing across asynchronous Fetch API requests and browser storage states.

CO-CURRICULAR ACTIVITIES

- Co-Head, Graphics Team — CSI SB BVM (May 2025 – May 2026)
- Co-Head, Developer Team — BVM Central Team (January 2026 – May 2026)

EDUCATION

B.Tech in Computer Engineering | Birla Vishvakarma Mahavidyalaya, V.V. Nagar, Anand

2023 – 2027

CPI: 6.0 / 10

Higher Secondary Certificate (12th Grade) |

2023

Percentage: 75.16%

STRENGTHS

- Analytical Thinker:** Breaks down complex development bottlenecks into clean, efficient technical solutions.
- Detail Oriented:** Focused on writing precise, well-validated code and maintaining robust database integrity.
- Team Player:** Collaborates effectively on shared codebases through constructive reviews and open communication.
- Quick Learner:** Rapidly masters new frameworks and tools to meet project demands.