

Vajja Yaswanth Pavan Kumar

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Professional Summary

Cybersecurity-focused Computer Science Engineering student with hands-on experience in ethical hacking, penetration testing, and web application security. Proficient in full-stack development with JavaScript, ReactJS, Spring Boot, and database management. Demonstrated expertise in digital forensics, SQL injection testing, network security, and vulnerability assessment. Seeking entry-level cybersecurity analyst or software developer positions to apply technical skills in real-world security challenges and emerging threat landscapes.

Education

- **Parul Institute of Engineering and Technology (PIET)** Vadodara, Gujarat
B.Tech - Computer Science Engineering (Cyber Security) | CGPA: 7.27/10.0 2022 - 2026
 - Specialization: Cybersecurity
- **Oxford Vit** Narasaraopet, AP
Higher Secondary Education (12th Grade) - BIEAP | Percentage: 70.20% 2022
 - Stream: Mathematics, Physics, Chemistry
- **Guntur Oxford** Narasaraopet, AP
Secondary Education (10th Grade) - BSEAP | Percentage: 99% 2020

Key Expertise

Programming Languages: HTML, CSS, JavaScript, Java, SQL, Python (Basic)

Web Development: ReactJS, Spring Boot, Bootstrap, HTML5, CSS3, JavaScript, RESTful APIs, DOM Manipulation, AJAX

Database Technologies: MongoDB, MySQL, SQL Server, Database Management Systems (DBMS), NoSQL, Query Optimization

Cybersecurity: Ethical Hacking, Penetration Testing, SQL Injection, Digital Forensics, Network Security, Vulnerability Assessment, OWASP Top 10, Security Auditing, Incident Response, Malware Analysis, Networking

Core Computer Science: Data Structures, Algorithms, Operating Systems, Computer Networks, System Administration

Cloud & DevOps: Amazon Web Services (AWS), Cloud Security, Linux Administration, Windows Server, Network Defense Tools, Security Information and Event Management (SIEM)

Projects

- **Weather Dashboard** | *Web Application* | [GitHub](#)
 - Developed responsive web application for real-time weather information display using OpenWeather API
 - Implemented dynamic data fetching with error handling, user location detection, and data visualization
 - Applied responsive design principles with CSS Grid and Flexbox for cross-device compatibility
 - Technologies Used: HTML5, CSS3, JavaScript, REST API Integration, JSON Data Processing
- **JavaScript Gaming Collection** | *Game Development Portfolio*
 - Tic Tac Toe: Implemented minimax algorithm for AI opponent with multiple difficulty levels and game state management | [GitHub](#)

- Simon Game: Memory-based sequence game with progressive difficulty levels, sound integration, and user interaction tracking | [GitHub](#)
 - Quiz Game: Interactive knowledge testing application with timer functionality, scoring system, and question randomization | [GitHub](#)
 - Drumshell: Virtual drum kit with realistic sound effects, keyboard event handling, and audio synchronization | [GitHub](#)
 - Technologies Used: JavaScript ES6, HTML5 Canvas, CSS3 Animations, Web Audio API, Event Handling
- **Advanced Calculator Project** | *Utility Application* | [GitHub](#)
 - Built scientific calculator with advanced mathematical operations, expression parsing, and calculation history
 - Implemented keyboard support, memory functions, and error handling for robust user experience
 - Applied object-oriented programming principles and modular code architecture
 - Technologies Used: JavaScript, HTML5, CSS3, Mathematical Expression Evaluation, Local Storage API
- **Online Polling System** | *Web Application* | [GitHub](#)
 - Developed web-based polling system for conducting online surveys and voting
 - Implemented user authentication, poll creation, and real-time result visualization
 - Technologies Used: Web Development Technologies, Database Management
- **Student Management App** | *Management System* | [GitHub](#)
 - Built comprehensive student information management system with CRUD operations
 - Implemented student record management, attendance tracking, and grade management
 - Technologies Used: Database Management, Web Development Framework
- **Book Store App** | *E-commerce Application* | [GitHub](#)
 - Developed comprehensive book store management system with inventory and sales tracking
 - Implemented user authentication, book catalog management, and purchase functionality
 - Technologies Used: Full Stack Web Development, Database Management
- **Beautiful Flowers for Every Occasion** | *E-commerce Website* | [GitHub](#)
 - Created responsive flower shop website with product catalog and ordering system
 - Implemented interactive design with modern web technologies and user-friendly interface
 - Technologies Used: HTML5, CSS3, JavaScript, Responsive Web Design
- **Vegetable and Fruits Market Shop** | *E-commerce Platform* | [GitHub](#)
 - Developed online marketplace for fresh produce with product categorization and search functionality
 - Implemented shopping cart system and order management features
 - Technologies Used: Web Development Technologies, Database Integration

Assessments & Certifications

Cybersecurity Certifications: Ethical Hacking, SQL Injection Attacks and Defense, Network Defense Essentials, Digital Forensics, Introduction to Cybercrime Investigation, Network Security (Cisco), Cybersecurity Simulation and Incident Response

Specialized Security Training: Introduction to Dark Web Operations, Bug Bounty Hunting Methodologies, Vulnerability Research and Exploitation

Programming & Development: Database Management System (Advanced), Data Structures and Algorithms, Java Programming Certification, Building Interactive Games using JavaScript, Full Stack Web Development

Cloud Computing: Amazon Web Services (AWS) Cloud Fundamentals, Cloud Security Best Practices

Seminars / Trainings / Workshops

- **JavaScript Unleashed: Building Dynamic Web Applications** December 20-21, 2024
Parul Institute of Engineering and Technology *Key Skills: Web application development*
- **Full Stack Web Development** Ongoing
Parul Institute of Computer Application *Key Skills: Coding Club participation and development*

Personal Details

Date of Birth: August 24, 2004 **Gender:** Male **Marital Status:** Single

Languages: Telugu (Native), English (Professional Working Proficiency), Hindi (Conversational)

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Web Links: GitHub: github.com/Yaswanthvajja1234 LeetCode: leetcode.com/u/Yaswanthvajja_2004

Personal Interests: Reading Books, Playing, Cybersecurity Research, Technology Innovation, Competitive Programming, Security Conference Participation