

# KAMAL KALYAN DODLOGI

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## EDUCATION

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### SREE VENKATESWARA COLLEGE OF ENGINEERING

*Bachelor of Technology*

Electronics and Communication Engineering

Cumulative GPA: 8.13/10

Nellore

May 2023

## EXPERIENCE

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### TATA CONSULTANCY SERVICES (TCS) - Software Security Analyst

May 2024 – Present

- Static Application Security Testing (SAST): Conducted code analysis for codebases up to 200,000 lines, identified and addressed over 50 vulnerabilities early in the development cycle.
- Dynamic Application Security Testing (DAST): Performed live testing on 10+ applications, uncovered and resolved 30+ vulnerabilities in real-time environments.
- Client Reporting: Delivered 15 detailed reports with actionable insights and recommendations, contributing to a 10% reduction in security issues within months.

**Role Focus:** Enhancing software security for aerospace technologies by safeguarding applications against evolving cybersecurity threats.

## PROJECTS

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### SKILLVERSE: SKILL BARTERING PLATFORM (MERN STACK)

May 2025

- Developed a real-time platform with active users enabling peer-to-peer skill exchange, reducing dependence on paid platforms by an estimated 80% for users.
- Implemented secure authentication using JWT & bcrypt, reducing unauthorized access attempts by 100% during testing, and integrated real-time notifications via Socket.IO.
- Built and optimized a skill-matching algorithm that achieved 90% accuracy in connecting users with relevant mentors based on skill tags and preferences.
- Integrated features like profile management, gamified leaderboards and engagement rewards, increase in daily active users from 5 to 10.
- Preview: [SkillVerse Repository](#)

### CODEGUARDIAN: WEB APPLICATION VULNERABILITY SCANNER (MERN STACK)

Feb 2025

- Built a web application security scanner using React.js, Node.js, Express.js and MongoDB, successfully scanning 10+ demo websites during testing
- Implemented vulnerability detection for OWASP Top 10 Security risks and provided detailed scan reports.
- Designed a REST API to handle authentication, scanning and reporting with JWT.
- Preview: <https://code-guardian-frontend.onrender.com>

### DIABETES DISEASE PREDICTION (MACHINE LEARNING, PYTHON)

Mar 2023

- Developed a machine learning model to predict diabetes disease using five supervised ML algorithms.
- Attained stable accuracy of over 70% in prediction with the engineered model.
- Utilized the K-Nearest Neighbors (KNN) classifier, achieving the highest accuracy of 76%.
- Preview: [Project Repository](#)

## TECHNICAL SKILLS AND CERTIFICATES

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- **Technical Skills:** Java, Python, MySQL, HTML, CSS, Bootstrap. *Familiar:* DSA, JavaScript, NodeJS, ReactJS, Figma.
- **Certifications:** Microsoft Certified: [Azure AI Engineer Associate AI-102](#)
- **Certificates:** Python (Hacker Rank), MySQL (Hacker Rank), Problem Solving (Hacker Rank).

## PROFESSIONAL ENGAGEMENTS

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### LUMEN TECHNOLOGIES

Virtual Program

*Hackathon Participant*

*Feb 2023*

- Collaborated with 5 teammates to design and implement to design and construct an Event Management System based on hackathon theme: scalable event management.
- Applied front-end techniques such as responsive layouts, ensuring a responsive and user-friendly experience for event organizers and attendees.

### OASIS INFOBYTE

Virtual Program

*Front-end Web Development Intern*

*Sep 2022 – Nov 2022*

- Completed a 4-week virtual internship focused on front-end development, completed 3 front-end projects using HTML, CSS and JavaScript.
- Created front-end web applications using HTML, CSS, and JavaScript, highlighting proficiency in these technologies.

## PROFILES AND ACCOMPLISHMENTS

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- **Profiles:** [LinkedIn](#), [GitHub](#), [LeetCode](#), [GFG](#), [HacherRank](#).
- **Accomplishments:**
  - **HackerRank:** 4 stars Python, 4 stars MySQL, 3 stars Problem Solving.
  - **Coding:** Active on LeetCode (500+ Problems)
- **Portfolio Website:** <https://kamalkalyan.netlify.app/> Includes project showcases, GitHub repositories, resume, and certification details.