

# M. PAVAN KUMAR

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## Professional Summary

Results-driven Computer Science student with demonstrated expertise in full-stack web development, data structures and algorithms, and AI integration. Proven track record of delivering secure, scalable applications with 9.35 GPA. Specialized in building responsive user interfaces and implementing robust security protocols. Strong problem-solver with hackathon experience and leadership in AI-driven projects.

## Education

### Bachelor of Technology in Computer Science

Expected 2024

Aditya University, Surampalem, Andhra Pradesh

GPA: 9.35/10.0

- Relevant Coursework: Data Structures & Algorithms, Web Development, Software Engineering, Database Management, Artificial Intelligence

## Technical Skills

**Programming Languages:** C, C++, ,SQL,Java, Python, JavaScript

**Web Technologies:** HTML5, JavaScript, Responsive Design, RESTful APIs

**Developer Tools:** Git, GitHub, VS Code, GCC, Antigravity

**Design & Productivity:** Adobe Photoshop, Canva, Figma, Microsoft Office Suite

**AI & Cloud Platforms:** ChatGPT, Google AI Tools, Oracle Cloud Infrastructure, Microsoft Power Platform

**Core Competencies:** Data Structures & Algorithms, Software Development, UI/UX Design, Agile Methodologies

## Professional Experience

### Software Developer Intern

Present

Aditya University

Surampalem, Andhra Pradesh

- Architecting and developing a secure intranet-based web application serving 5,000+ university users with network-restricted access, implementing authentication protocols and role-based access control
- Designing and implementing responsive user interfaces using HTML5, CSS3, and JavaScript, ensuring cross-browser compatibility and mobile-first design principles
- Conducting comprehensive testing, debugging, and performance optimization, reducing application load time by 30% through code refactoring and best practices
- Collaborating with cross-functional teams in Agile environment, participating in daily stand-ups, sprint planning, and code reviews to ensure timely feature delivery

## Technical Projects

### University Intranet System | HTML, CSS, JavaScript, Security Protocols

Present

- Developing enterprise-grade intranet application with focus on data security, implementing encryption and secure authentication mechanisms to protect sensitive university information
- Established comprehensive testing protocols including unit testing, integration testing, and user acceptance testing to ensure 99.9% uptime and peak functionality
- Implemented user data protection features compliant with data privacy standards, ensuring secure handling of student and faculty information

### Smart College Canteen System | Full-Stack Development, Real-Time Updates

April 2025

- Engineered digital platform with real-time food availability tracking, reducing customer wait times by 40% and improving operational efficiency
- Conducted user research and gathered feedback from 200+ students to iteratively enhance features and user experience
- Integrated dynamic menu management system enabling cafeteria staff to update offerings in real-time

### Wayfinder AI - AI Navigation Solution | Google AI Tools, Location Services, Team Lead

2025

- Led team of 4 developers in creating AI-powered navigation solution leveraging Google AI APIs and geolocation services
- Coordinated project timeline, delegated tasks, and conducted code reviews ensuring high-quality deliverables within deadline
- Implemented machine learning algorithms for optimized route planning and real-time navigation updates

### Professional Portfolio Website | HTML, CSS, JavaScript, UI/UX Design

May 2025

- Designed and deployed responsive portfolio website showcasing 10+ projects across DSA, web development, and AI domains
- Implemented modern UI/UX principles with smooth animations and interactive elements for enhanced user engagement

## Certifications

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**Programming:** C Programming Certification (2025), C++ Programming Certification (2025)

**Cloud & AI:** Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate, Generative AI Basics

**Microsoft:** Power Platform Fundamentals, Office Specialist: Excel Associate (Office 2019)

## Leadership & Activities

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### Hackathon Participant | *Smart India Hackathon, Google Hack Sprint*

**2024-2025**

- Competed in national-level hackathons, developing innovative solutions under time constraints with focus on rapid prototyping and team collaboration

### Coding Club Member | *Aditya University*

**2024-Present**

- Active contributor in peer learning initiatives, conducting workshops on DSA and web development for 50+ fellow students
- Participating in competitive programming contests and collaborative coding projects to drive innovation