Ramachandra Udupa

📍 2/92, Shri Laxmi Narayana Nilaya, 576226, Karnataka, India
📞 +91 9353867435
✉ ramachandraudupa2004@gmail.com
in LinkedIn
🌐 Portfolio Website

Professional Summary

A forward-thinking Computer Science student specializing in Artificial Intelligence and Data Science. Strong programming, problem-solving, and collaboration skills. Combines solid academic grounding with hands-on experience in software development, machine learning, and web technologies. Passionate about contributing to innovative, cutting-edge projects.

Skills

Programming	C++, Python, Java, C#
Web Development	Django, Full Stack
AI	Machine Learning, Neural Networks , RAG
Cloud Platforms	Google Cloud Platform, Microsoft Azure
Game Development	C#, Pygame Android Java, Flutter
Mobile App Development	
Cybersecurity	Ethical Hacking, Malware Development
Tools	TensorFlow, Keras, Git, Docker

Education

B.E. in Artificial Intelligence and Data Science
Shri Madhwa Vadiraja Institute of Technology & Management
2021-2025 —CGPA: 8.5
Core Coursework: Machine Learning, Software Development
Key Projects : Signature Verification, College App in flutter

Languages

English	Fluent
Kannada	Native
Hindi	Proficient

Work Experience

Intern, Threat Prism
Oct 2022 - Dec 2022

Conducted vulnerability assessments and proposed comprehensive remediation strategies.

Developed expertise in ethical hacking tools such as Metasploit.

Gained practical experience in identifying and mitigating security vulnerabilities.

Intern, SangamOne Connected Services Pvt. Ltd.
Nov 2023 - Apr 2024

Enhanced Java and Python skills through hands-on project development.

Contributed to solving real-world problems, improving coding and problem-solving abilities.

Successfully completed and showcased projects on a personal portfolio website.

Projects

Website Maker for College
Developed a dynamic website with student registration, event management, and content management features using Django and Bootstrap.

Snake Game AI
Created an AI-powered Snake game using Python and Pygame, incorporating advanced pathfinding algorithms for autonomous movement.

Signature Verification using Siamese Network
Built a signature verification system using Siamese neural networks with TensorFlow and Keras, achieving high accuracy

Signature Verification using Custom CNN Architecture
Designed a custom CNN for signature verification tasks, optimizing for computational efficiency and high accuracy.

College App
Developed a mobile app for college students with timetable management, notifications, and study resources using Java for Android. And then redesigned it with Flutter and Django-React.

Other Projects

Developed ethical malware scripts for security testing.

Created a web scraping tool for data extraction.

Developed multiple Linux tools to enhance usability.

Achievements

Second Runner-Up in IEEE Eureka Competition.

First place in multiple local technical competitions.

Hobbies

Programming	- Continuously learning new languages and technologies.
E-sports	- Competitive gaming with a focus on strategy.
Drawing	- Creating digital and traditional artwork.