

NIVETHA RS

A photograph showing a person's hands interacting with a laptop screen. The screen displays a colorful pie chart with various segments. The person is wearing a red and blue plaid shirt. The background is blurred, suggesting a study or office environment.

COMPUTER SCIENCE ENGINEER | AI & ML ENTHUSIAST

A VERSATILE TOOLKIT

Core Technical Proficiency

Nivetha possesses a diverse technical skill set, bridging traditional software development with cutting-edge AI and machine learning technologies.

Languages

Java (Primary Foundation) and Python (Working Knowledge)

AI / ML

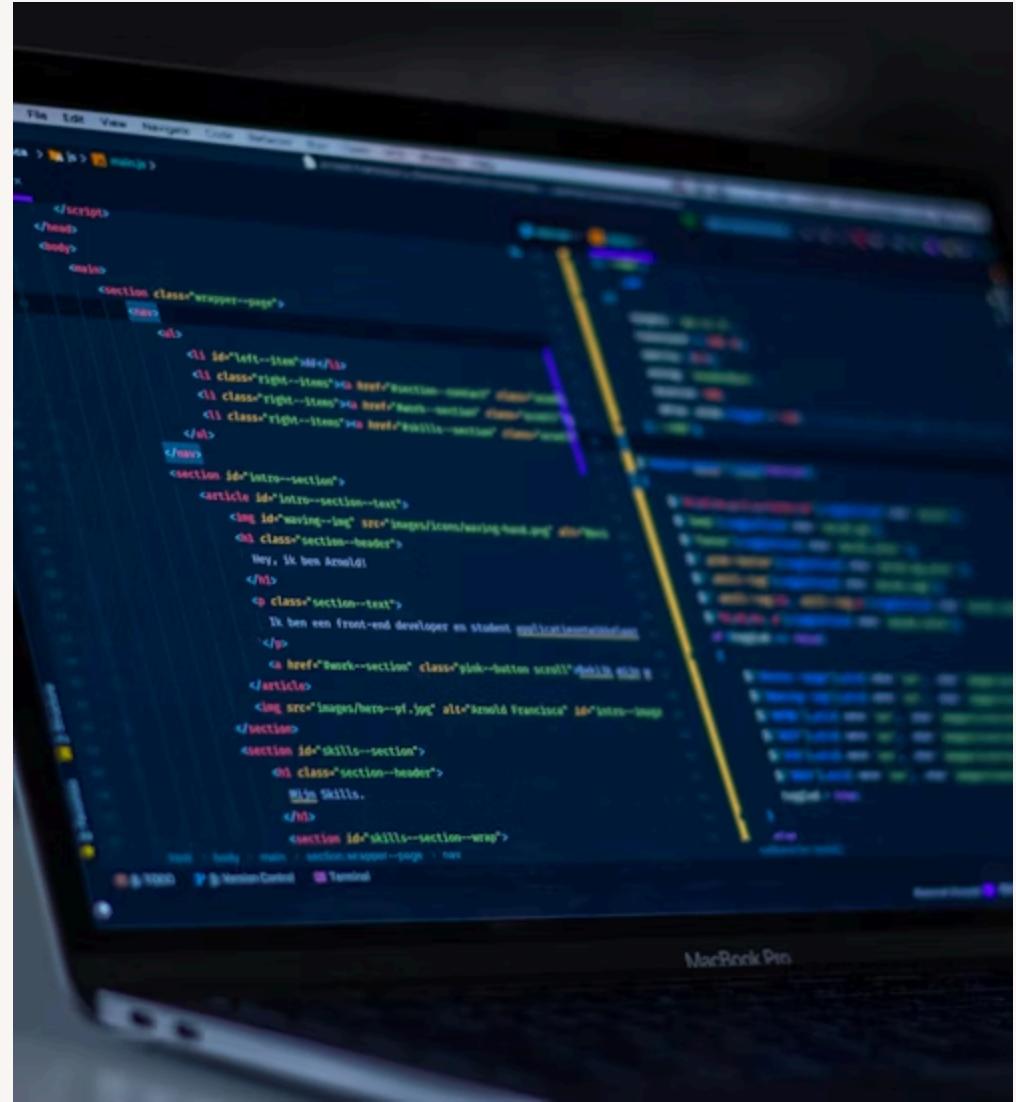
Generative AI, RAG Pipelines, NLP, and Prompt Engineering

Tools

LangChain, Streamlit, OpenAI API, GitHub, and VS Code

Web & DB

MySQL, ChromaDB, HTML, CSS, PHP, and JavaScript



REVOLUTIONIZING EDUCATION

CogniGuide: AI-Powered Learning

CogniGuide is an end-to-end RAG system that transforms academic PDFs into personalized learning content using advanced embeddings and vector search.

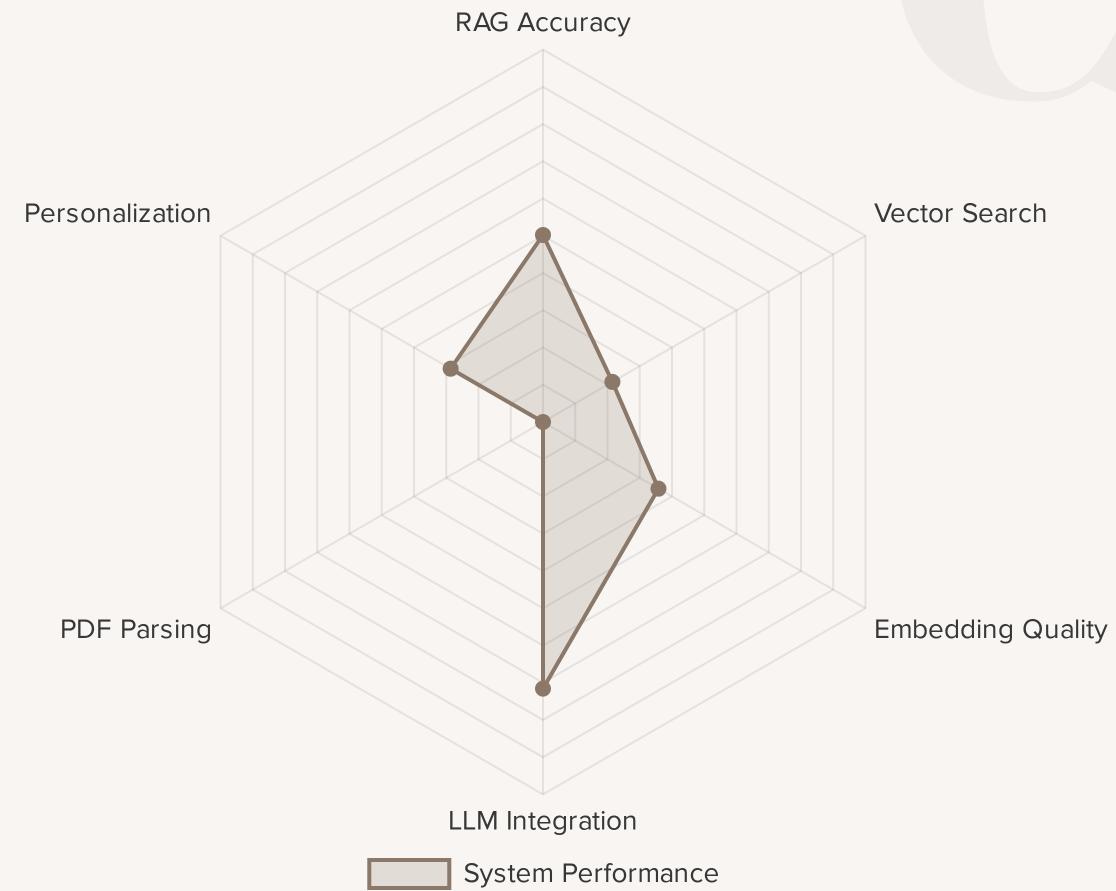
"AI is not just a tool; it's a bridge to personalized knowledge."

RAG System

Retrieval-Augmented Generation
for accuracy

Vector Search

Efficient semantic retrieval using
ChromaDB



DRIVING DIGITAL ENGAGEMENT

Echoes: Anonymous Blog

Echoes is a secure, engagement-driven platform built with PHP, MySQL, and JavaScript to foster authentic community interaction through anonymity.

"True expression often begins where identity ends."

User Privacy

Robust encryption and anonymous posting

Full-Stack Dev

End-to-end implementation with PHP & MySQL

Interactive Community

Real-time engagement features

Public Presentation

Showcased at the Google Developer Club



FINANCIAL FORECASTING

Data-Driven Insights: Stock Price Prediction

This project leverages an automated XGBoost-based Machine Learning pipeline to predict next-day stock prices using real-time market data and advanced feature engineering.

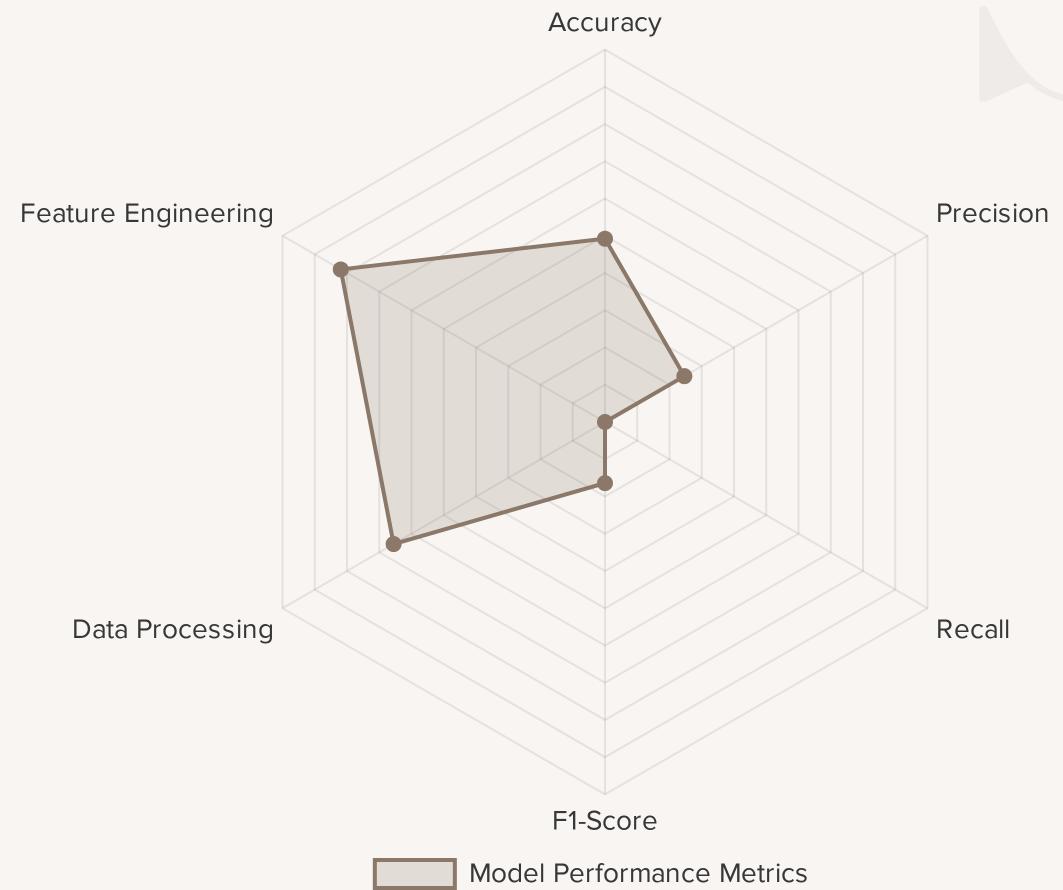
"In God we trust, all others must bring data."

XGBoost Pipeline

High-performance gradient boosting for predictive accuracy

Feature Engineering

Transforming raw market data into actionable model inputs



REAL-WORLD APPLICATION

Practical Experience

Nivetha has successfully transitioned academic theory into professional execution through impactful internships, delivering functional software solutions in collaborative environments.

"Experience is the bridge between knowing and doing."

Web Dev Intern

Developed Student Feedback System at S.R. Software

Python Intern

Applied core concepts through mini-projects at CodSoft

Project Impact

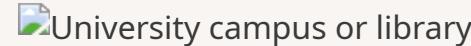
Built authentication and admin reporting modules

Technical Growth

Mastered PHP, MySQL, and professional workflows



Academic Excellence



Nivetha maintains a strong academic record at KLN College of Engineering, complemented by active participation in global technical research and conferences.

CGPA: 8.60

Consistent academic performance throughout the engineering curriculum (2022–2026)

International

Presenter at ICON: EHAS'25 (SRM Madurai), sharing insights on emerging tech

National

Presenter at IEI Madurai National Convention, engaging with industry experts

Research Focus

Dedicated to AI, Machine Learning, and their real-world software applications



BEYOND THE CODE

Leadership & Impact

Nivetha's professional journey is defined by a commitment to leadership, mentoring, and fostering collaborative environments that drive technical innovation.

"Leadership is the capacity to translate vision into reality."

Mentorship

Guiding teams in high-stakes hackathons like SIH 2025

Teamwork

Proven collaboration in sports and academic projects

Event Lead

Managing large-scale technical events like WEB WHIZ

Communication

Expertise in public speaking and technical blogging

VERSATILE LEADERSHIP ROLES

More Than Just a Developer

Nivetha's leadership is demonstrated through high-impact roles that require strategic thinking, team coordination, and the ability to deliver results under pressure.

"The greatest leader is not necessarily the one who does the greatest things. He is the one that gets the people to do the greatest things."

— Ronald Reagan

SIH 2025 Head

Leading and mentoring teams for the Smart India Hackathon

Sports Vice-Captain

Coordinating large groups and fostering team spirit

WEB WHIZ Lead

Organizing and hosting major technical events (Zeigen'2K25)

Conference Presenter

Representing research at international and national levels



THE FINAL PITCH

Why Nivetha R S is the Right Choice

Nivetha R S offers a unique combination of technical versatility in AI/ML frameworks, proven leadership in high-stakes environments, and exceptional communication skills. With a track record of building functional, impactful projects and a commitment to continuous learning, Nivetha is prepared to drive innovation and deliver high-quality results for your organization.

"The best way to predict the future is to create it. Let's build something extraordinary together."



CONTACT & PROFESSIONAL LINKS

Let's Build the Future Together

Nivetha R S is ready to bring technical expertise and leadership to your team. Reach out to discuss potential collaborations or opportunities.

"The best way to predict the future is to create it."

Email

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LinkedIn

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GitHub

github.com/nivetha205

Location

Madurai, Tamil Nadu, India

Professional & Technical Growth Index

