

ROHIT JAYSHEEL DIGGI

B.Tech. (Hons.) – CSE – Artificial Intelligence & Machine Learning · RV University

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PROFESSIONAL SUMMARY

Final-year B.Tech (Hons.) CSE (AI/ML) student at RV University with hands-on experience building agentic AI systems, full-stack applications, and networking research. Shipped multiple production-style projects spanning AI-driven fraud detection, risk assessment, and language learning, with several deployed live and in active use. Currently a Research Assistant studying next-generation intra-AS routing protocols on the FABRIC testbed under faculty guidance at Rochester Institute of Technology. Actively seeking SDE / AI Engineering roles with a focus on systems thinking and end-to-end product ownership.

KEY EXPERTISE

Agentic AI Systems • LLM Integration & Prompt Engineering • Full-Stack Development • RESTful API Design • RAG & Vector Search • Distributed Systems & Network Protocols • Android / Embedded Systems

EDUCATION

RV University – B.Tech. (Hons.), CSE – Artificial Intelligence & Machine Learning	2023 – 2027
CGPA: 8.06 / 10	

EXPERIENCE

Research Assistant – EIBP Protocol	Feb 2026 – Present
<i>Rochester Institute of Technology, New York · Academics / Research</i>	
Researching EIBP, a next-generation intra-AS routing protocol built on MNLr under Prof. Nirmla Shenoy, designed for faster failure detection and lower control overhead than traditional approaches such as OSPF. Deployed and validated the protocol on the FABRIC national testbed across multi-node topologies, running the first successful 13-node experiment and measuring convergence time, failure recovery, and control overhead.	
FABRIC Testbed • Python (FabLib) • OSPF / EIBP • Distributed Systems • SSH	

PROJECTS

Satark.ai – Honeypot API: AI Scam Detection & Intelligence Extraction	Jan – Feb 2026
<i>Team of 2 · github.com/Rohx24/guvi-final</i>	
Built a conversational AI agent that engages scam callers/messages to detect fraud patterns and extract actionable intelligence — phone numbers, bank details, scam tactics — using GPT-4.1-mini and custom “Bridge Logic” prompt engineering. Implemented as a Node.js/Express API with modular detection, extraction, and engagement logic. Deployed live on Railway.	
GPT-4.1-mini • Node.js / Express • Agentic AI • API Design	
DriveDash – Android Auto-Style Launcher for Embedded Tablets	Mar – Jul 2026
<i>Team Size: 1 · github.com/Rohx24/Drivedash</i>	
Built a custom Android launcher in Kotlin turning a tablet into a dedicated in-car head unit — a car-safe interface with large touch-friendly tiles, quick shortcuts, and voice-guided navigation via Android’s TTS engine. Solved real embedded constraints: screen wake/sleep behavior, background service persistence, and low-latency UI on limited hardware.	
Kotlin • Android SDK • UI/UX Design • Embedded Systems	

BhashaBuddy – AI Language Learning Platform for NRI Children

Dec 2025 – Feb 2026

Team Size: 4 · [parampara-one.vercel.app](#)

Built a full-stack AI-powered platform helping NRI children learn their native language through interactive lessons and games. React/Vite frontend with Supabase for auth and progress tracking; integrated OpenAI's API for conversational practice and a text-to-speech module for pronunciation feedback. Deployed live on Vercel with an active user base.

[React](#) • [Vite](#) • [Supabase](#) • [OpenAI API](#) • [Tailwind CSS](#)

Multi-Signal Risk Assessment System using Parallel Agentic AI

Apr 2026

Team Size: 4

Developed a parallel multi-agent AI system (Relevance AI) performing risk assessment across independent signals — four parallel agents (Description, Location, Historical Claims, Safety) evaluating risk simultaneously. Designed a scoring and aggregation system with conflict-resolution logic for contradictory signals, producing explainable risk levels and premium-adjustment recommendations.

[Agentic AI](#) • [Parallel Processing](#) • [Workflow Orchestration](#) • [Explainable AI](#)

Hybrid Deep-Learning Framework for Intrusion Detection (MLP + AutoEncoder)

Jul – Aug 2025

Team Size: 4

Built a hybrid intrusion-detection system fusing a supervised MLP with an unsupervised AutoEncoder on the CSE-CIC-IDS2018 dataset — achieving 98.12% accuracy and 96.95% macro F1, outperforming a RandomForest baseline via a fusion engine that reduces false negatives on novel attacks.

[Deep Learning](#) • [AutoEncoder](#) • [Anomaly Detection](#) • [Network Security](#)

AI Boardroom – Multi-Agent Startup Idea Evaluator

2026

Personal build

Built a boardroom of specialized AI agents (VC, skeptic, CTO, founder) that debate a startup idea from multiple critical angles and return a structured, scored verdict — exploring agent orchestration and role-conditioned LLM reasoning for decision support.

[Agentic AI](#) • [LLM Orchestration](#) • [Multi-Agent Systems](#)

ACHIEVEMENTS

- Secured **8th position nationwide** (88/100) among **15,000+ teams** at the HCL GUVI AI Impact Summit 2026 Hackathon, Bharat Mandapam — built Satark.ai, an agentic honeypot API for real-time scam detection, with Team nol0ck.
- Co-authored & presented “Hybrid AI-Powered Framework for Real-Time DDoS Detection Using ML and Entropy-Based Analysis” at the Int'l Conference on Smart Wireless Systems and IoT (SWSIoT-2025), in association with Springer.
- Won **1st Prize** (INR 3,000) for “Traffic Management System” at Avishkar, an inter-college project exhibition by Vemana Institute of Technology in collaboration with ISTE and IEEE.

CERTIFICATIONS

- **Affective Computing** – NPTEL · 90/100
- **Software Testing** – NPTEL · 71/100

EXTRA-CURRICULAR

Active in peer accountability and self-driven learning initiatives; built and maintain shared productivity/tracking tools with fellow students. Engaged in DIY hardware and automotive tech projects outside coursework.