

YUVRAJ PRASAD

AI PRODUCT ENGINEER

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SUMMARY

AI Product Engineer specializing in LLM-powered products, applied AI, and full-stack software engineering. Experienced in building AI applications, backend systems, real-time solutions, and scalable product architectures using LLMs, RAG, NLP, deep learning, and agentic workflows. Strong hands-on experience with TypeScript, Python, Java, Go, React, Next.js, Node.js, PostgreSQL, Redis, REST APIs, WebSockets, gRPC, Docker, and cloud technologies, with a focus on building reliable and production-ready software.

SKILLS

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|-------------|-----------------|-------------|--------------------|------------------|-----------------|-----------|----------|
| • LLM/GenAI | • RAG/Agents | • Langchain | • Vector Embedding | • Neural Network | • System Design | • Flutter | • Python |
| • MCP | • Orchestration | • Langraph | • Tokenization | • Deep Learning | • Guardrails | • MERN | • Java |

PROFESSIONAL EXPERIENCE

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| Trainer Intern - MERN Stack, Kannovac Technology
Worked as a Trainer Intern at Kannovac Technology for one month, conducting sessions on Full Stack Web Development using the MERNstack. Delivered structured learning modules covering front-end and back-end development, RESTful APIs, and database management. Provided hands-on guidance, assisted in debugging, and helped trainees build real-world projects while ensuring best coding practices. | Feb 2025 - March 2025 |
| Research Intern - AI & Image Processing, A.K. Choudhury School of InformationTechnology,University of Calcutta
As a Research Intern — AI & Image Processing at A.K. Choudhury School of Information Technology, University of Calcutta, I worked on Nonlocal CNN-Based SAR Image Despeckling, developing deep learning models to reduce speckle noise in SAR images. My role involved image processing, model optimization, and result analysis, enhancing AI applications in remote sensing. | March 2025 - July 2025 |
| Keplay - Fellowship
Building and testing APIs, writing test cases using Keplay, contributing to open-source repositories, automating workflows, integrating APIs into projects, and following software development best practices. Working with an AI-powered platform that auto-generates integration tests from user traffic to achieve 99% backend test coverage. | May 2025 - Aug 2025 |
| GenX Engineering & Management Solutions - Senior Trainer
Trained Students from University on Generative AI, Blockchain, Cryptography Case Study, Web 3.0 Technology, Data Analytics, and Data Science, MERN Stack at JIS Group | Sep 2025 - April 2026 |
| Orcrys Technologies Pvt. Ltd. - AI Product Engineer
AI Product Engineer at Orcrys Technologies Pvt. Ltd. , contributing to the development of Edquate, an AI-powered learning platform. Designing scalable AI solutions, integrating LLMs and Generative AI capabilities, and delivering production-ready features. Collaborating with cross-functional teams to drive innovation, performance, and business growth. | May 2026 - Present |

EDUCATION

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| • St' Judes High School - Science with Computer Application | Mar 2008 - Mar 2018 |
| • Rose Bank Edu- Care High School - Science with Computer Science | April 2018 - Aug 2022 |
| • Techno International New Town - B.Tech in Computer Science & Engineering | October 2022 - Present |

PROJECT

- **CivicTrust** - A decentralized application for community governance and civic engagement that leverages blockchain technology and social features to empower communities in local decision-making. It offers a community map for identifying issues and projects, a governance system for decentralized voting, tools for project proposal and management, issue reporting and tracking, privacy-preserving user authentication, and seamless MetaMask integration for secure blockchain transactions.
- **SkillHive** - An innovative AI-powered learning platform designed for gig workers and freelancers. By leveraging AI technology, it generates Multiple Choice Questions (MCQs) from educational videos and analyzes Gmail communicationsto identify skill gaps and deliver personalized learning content,. Through intelligent analysis of job histories, client feedback, and work-related communications, SkillHive creates tailored learning paths that help users enhance their skillsets and stay competitive in the gig economy.
- **FortiFind** - A comprehensive security vulnerability scanner that leverages a custom ML model along with traditional security tools like Flawfinder and Bandit to identify security vulnerabilities in code across multiple programming languages. The scanner can analyze individual files or entire Git repositories.

ACHIEVEMENT

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| • Hack4Bengal@Finalist & MLH Track Winner | • IMI Kolkata CodeCrafter Winner 1st Runner Up | • IMI Kolkata InnovateX - 2nd Runner- |
| • HackTropica 2k25 Winner | • TechFiesta 25 AOT - EUREKA - 1st Runner-Up | • Ingenium 2K25 GNIT - 1st Runner Up |
| • HackStrom B.P. Poddar Tech Fest Winner | • Hackfest 2025 TINT - 1st Runner-Up | • AlgoHacks 2025 - 2st Runner Up |

ADDITIONAL INFORMATION

- **Languages:** English, Hindi, Bengali
- **Certifications:** AWS | OCI Generative AI
- **Patents & Intellectual Property:** *Smart Health & Nutrition Monitoring Watch* — Patent ID: 456407-001, The Patent Office, Government of India (24.04.2025)
- **Extracurricular & Creative Activities:** Class Representative | YouTuber | Blogger | Script Writer | Content Creator | Community Builder