

VARADHARAJAN A

Technical Master Trainer & Full Stack AI Application Developer

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[Linkedin](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Experienced Technical Master Trainer and Full Stack Developer with 19+ years of experience in the IT industry in enterprise Java programming and corporate training internationally. Demonstrated ability to provide technical training sessions in more than 11+ countries that include the USA, Sri Lanka, Vietnam, the Philippines, Singapore, UAE, Malaysia, Thailand, Indonesia, Nepal, and Jordan, with a 96 per cent student satisfaction rate and placements. Have skills in Python Full Stack, MERN, Java, DevOps, AI and Machine Learning, and Data Analytics with real-world experience in developing applications for enterprise companies. Currently working on developing an AI-based multi-agent SaaS product for academics using Python, LangChain, CrewAI, and FastAPI. Possesses 10+ international certifications, authored 3 peer-reviewed research articles, and acts as a Programme Committee Member with the European Information Technologies Certification Institute (EITCI), Brussels.

CORE COMPETENCIES

Programming and Frameworks: Python, JavaScript, MERN Stack, Java, Spring Boot,

AI, Data Science and Analytics: Machine Learning, Generative AI, LangChain, CrewAI, Prompt Engineering, Power BI, Data Visualisation

DevOps and Cloud: Docker, Jenkins, Azure Cloud, Render Cloud, CI/CD, GitHub Actions

Databases: MySQL, PostgreSQL, Oracle, MongoDB, MS SQL Server

Testing: Selenium, JUnit, Cucumber, TDD and BDD

Training and Leadership: Curriculum Design, Faculty Development Programs, Technical Mentoring, Program Management, Research Guidance

RECENT PROJECTS (AI, ML & DATA ANALYTICS) Refer: [GitHub repo](#)

- **Academic Faculties Assistant (AFA)** - Multi-agent AI system for Indian academic institutions built with Python, Ollama, LangChain, CrewAI, ChromaDB, FastAPI, and React, targeted as a SaaS platform (In Development, 2026).
- **AI-Powered Data Content Processing - Stage 1 AI Detector Agent:** automated data content detection pipeline to improve data quality and decision confidence (Python, AI, Data Processing).
- **AI Agent Data Cleaning:** automated data cleaning workflow using AI agents to detect anomalies and improve data quality (Python, AI Agents).
- **Conversion Hub:** an intelligent automation platform streamlining conversion processes using AI-driven workflows (Python, Automation).
- **CyberGuard Project:** cybersecurity-focused project demonstrating practical protection strategies and secure system design (Python, Security).
- **Vietnam Weather Analysis:** weather data analysis project with visual insights and analytical storytelling (Python, Data Analysis, Visualisation).
- **My AI Agents:** collection of reusable AI agent experiments for practical automation use cases (Python, AI Agents).

PROFESSIONAL TRAINING EXPERIENCE

Director – International Training | MCS Spatial

Jun 2026 - Present · 3 mos

- Building international university partnerships, designing global training strategy, Developing Certification Programs, expanding training operations into ASEAN, the Middle East, and Africa

Technical Master Trainer | Edunet Foundation

Nov 2023 - May 2026

- Delivered technical training under corporate CSR-funded programs, including EY Skills, VOIS, IBM Skills, Nan Mudhalvan, Youth Employability, and AICTE Internship initiatives.
- Trained learners in Cloud (MS Azure, Render), Python Full Stack with AI, MERN Full Stack, DevOps, and database technologies (MySQL, Oracle, MS SQL Server, MongoDB, PostgreSQL).
- Delivered a 2-day Faculty Development Programme on Generative AI in Higher Education, producing full production-ready training materials across five topics, including prompt engineering, AI for research, and AI agents.

Master Trainer | EduBridge Learning, Mumbai

Feb 2022 - Oct 2023

- Delivered Java Full Stack and MERN Full Stack training under Capgemini Digital Academy Program, Infosys Employability Program, Women in Tech Program, and Career Readiness Program.
- Led comprehensive curriculum delivery and mentoring for CSR-funded workforce development projects.

Corporate Trainer (Freelancer) | Infosys, Bangalore / Matrixx / Siemens Technology India 2021 - 2024

- Delivered a 10-day program on Render Cloud Platform, DevOps monitoring with PM2, and CI/CD with Git and GitHub for Infosys.
- Delivered an 8-day Matrixx Foundation program covering DevOps integration, monitoring and observability, and real-time industry use cases.
- Delivered a 33-day AngularJS and testing concepts program for professional engineers at Siemens Technology India.

Online Corporate Trainer (Freelancer) | Job Seekers - Jordan, USA, India / Amazon Mar 2020 - Mar 2021

- Delivered 8 months of international training in Angular, React, MySQL, Oracle, PostgreSQL, Python, Selenium, Cucumber, and JUnit for global learners.
- Trained Amazon software developers in the USA on Java, Selenium, Cucumber, and Mockito over a 45-day engagement.

Corporate Trainer | TEC Consultancy Services, Chennai Apr 2005 - May 2006

- Delivered programming languages, core concepts, and database training across multiple corporate batches over one year.

PROFESSIONAL DEVELOPMENT EXPERIENCE

Senior Java Developer | Magendhiran Consultancy Services Mar 2019 - May 2020

- Implemented REST APIs using Spring Boot with method-level metrics via Spring AOP and Actuator; integrated Zipkin for distributed monitoring and Hystrix for fault tolerance.
- Built AngularJS 1.x controller, service, and directive code for a CIM UI conversion proof of concept; used Spring Config Server and Splunk for centralised configuration and logging.

Java Developer | Magendhiran Consultancy Services Aug 2017 - Apr 2014

- Owned full SDLC delivery, including requirements analysis, technical design, implementation, and testing; implemented service layers with Spring IOC and Spring MVC.
- Built DAOs and entities using Hibernate API and HQL; developed signup, login, and product management functionality following Test-Driven Development with JUnit.

CERTIFICATIONS

- IBM Data Science Professional Certificate - Cognitive Class.ai / IBM
- EY NextGen AI Certification
- Claude Code 101 and Claude 101 - Anthropic
- Data Analysis with Python, Data Visualization with Python, Machine Learning with Python - Cognitive Class.ai / IBM
- API Designer, API Product Manager, API Security Architect - Professional Certifications
- VELSOFT AI Certification
- Sahi Pro Foundation for Test Automation

RESEARCH PUBLICATIONS

- Assessment on Land-Use Changes in Coimbatore North Taluk using Image Processing and Geospatial Techniques - International Journal of Engineering Research and Applications (IJERA), Vol. 2, Issue 4, July 2012.
- Performance Evaluation of Various Foreground Extraction Algorithms for Object Detection in Visual Surveillance - International Journal of Computational Engineering Research (IJCER), Vol. 2, Issue 5, September 2012.
- Performance Evaluation of Various Statistical Classifiers in Detecting the Diseased Citrus Leaves - International Journal of Engineering Science and Technology (IJEST), Vol. 5, Issue 2, February 2012.

EDUCATION

- MBA, International Business - Alagappa University, Karaikudi (In Progress)
- M.E., Computer Science and Engineering - B.S. Abdur Rahman Crescent Engineering College, Anna University (2008)
- B.Tech, Information Technology - Pallavan College of Engineering, Anna University (2005)
- Diploma, Computer Technology - Pallavan Polytechnic, Kanchipuram, DOTE (2002)

ACADEMIC TEACHING EXPERIENCE

- Assistant Professor, Computer Science and Engineering - Tagore Engineering College, Chennai (Apr 2008 - Sep 2011)
- Lecturer, Information Technology - Lord Venkateshwara Engineering College, Kanchipuram (Jun 2005 - Jul 2006)
- Delivered programming courses to Tagore Medical College (MBBS), Tagore Institute of Allied Health Sciences, and Tagore Dental College.

PROFESSIONAL AFFILIATIONS

- Programme Committee Member (ID: EITCI-PCM-48267) - European Information Technologies Certification Institute, Brussels, EU - Artificial Intelligence, eLearning, and Web Design Committees.