

JAY R. AMIN

Academic Technology Leader | AI & Emerging Technologies | Industry-Academia Collaborator

Head of Department – IT • Technology Educator • Industry Trainer • Product & Technology Leader

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15+ Years IT & Technology Experience	40+ Technical Seminars & Institutional Engagements	150+ Candidates Trained (Job-Readiness Focus)	HOD Current Academic Leadership Role
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ACADEMIC PROFILE

Senior IT education and technology professional with 15+ years of combined experience across software development, academic leadership, technical education, professional training, student mentoring, and technology-driven initiatives. Currently serving as Head of Department – IT at Frameboxx IT Careers, Ahmedabad, responsible for technical training, team coordination, academic delivery, and industry-oriented learning.

Brings a practical industry perspective into education, preparing students and professionals for real-world technology careers through hands-on learning, projects, workshops, technical seminars, and career-oriented mentoring. Strong exposure to Artificial Intelligence, Generative AI, Data Analytics, and modern software-development ecosystems, combined with academic planning, team leadership, strategic decision-making, and industry-academia engagement.

TEACHING & SUBJECT EXPERTISE

Software & IT: Programming Fundamentals, OOP, Web Technologies, Full Stack Development, MERN Stack, Software Engineering, Database Management, REST APIs, Application Architecture

Development: PHP, Laravel, CodeIgniter, Node.js, ReactJS, Angular, HTML5, CSS3, Bootstrap, JavaScript

Data: Data Analytics, Python for Data, Data Visualization, Business Intelligence, Practical Analytics

Emerging Technologies: Artificial Intelligence, Generative AI, AI-Assisted Development, Machine Learning Fundamentals, IoT, Robotics & Intelligent Systems, Automation

ACADEMIC LEADERSHIP

Head of Department – IT | Frameboxx IT Careers, Ahmedabad

Aug 2024 – Present

- Lead training and academic delivery across Full Stack Development, MERN Stack, and Data Analytics.
- Manage and coordinate the IT training team and support academic quality and learner development.
- Plan technical programs, workshops, seminars, and industry-oriented learning initiatives.
- Mentor trainers and learners on technical delivery and project-oriented learning.
- Contribute to academic and operational planning and technology-led institutional initiatives.
- Participate in strategic planning, management-level discussions, and technology-related decision-making.

Management & Strategic Technology Leadership

- Contribute to management-level planning and major organizational decision-making.
- Participate in technology strategy, adoption planning, and evaluation of technology-led initiatives.
- Support program planning, team capability development, and long-term technology initiatives.
- Coordinate across management, technical, academic, and operational stakeholders.

INDUSTRY EXPERIENCE

Front-End / Back-End Trainer | TOPS Technologies, Ahmedabad

Jun 2017 – Jan 2024

- Delivered practical training in PHP MVC, Laravel, CodeIgniter, Angular, and ReactJS.
- Focused training on job readiness, practical implementation, and industry-oriented technical skills.
- Delivered 40+ technical seminars at L.D. Engineering College, Ganpat University, and Gandhinagar Technical University.

- Conducted technical sessions covering Laravel, ReactJS, React Native, design, and Bootstrap.
- Recognized for additional contribution and teamwork.

Backend Developer | Safari Info-Soft, Ahmedabad

Jan 2015 – May 2017

- Developed PHP/CodeIgniter applications, REST/SOAP APIs, and AJAX-driven workflows.
- Worked with MySQLi including triggers, stored procedures, views, and indexes.
- Worked with Bootstrap templates, testing, documentation, and Android-team coordination.

Backend Developer | Vaibhav Info-Soft, Ahmedabad

Nov 2013 – Dec 2016

- Developed and managed web applications using PHP, HTML, CSS, and MySQLi.

CORPORATE & PROFESSIONAL TECHNOLOGY TRAINING

Industry-oriented trainer with long-standing experience in practical, real-time technology education. Training emphasizes workplace implementation, project execution, modern tools, and the transition from theoretical understanding to usable IT skills.

- Deliver hands-on technology training for professional and corporate learners using practical development scenarios.
- Adapt training around current industry tools, workflows, and technology requirements.
- Support professional upskilling and technology transition through structured practical learning.
- Introduce modern AI-assisted productivity and development workflows where relevant.
- Bridge technical concepts with real-world implementation, debugging, documentation, and project practices.

INDUSTRY-READY STUDENT DEVELOPMENT

Core academic contribution: preparing college learners for real-world IT careers by combining academic fundamentals with practical development, current tools, projects, and workplace expectations.

- Practical IT skill development and job-readiness training.
- Industry-oriented project training and final-year project guidance.
- Portfolio development, technical presentation, and interview preparation.
- Hands-on exposure to software-development workflows and professional practices.
- Mentoring in problem solving, debugging, implementation, and project documentation.
- Career-oriented technology awareness and emerging technology sessions.

AI & EMERGING TECHNOLOGIES

Generative AI: Practical exposure to current AI ecosystems, productivity, content generation, analysis, and software-development assistance.

AI-Assisted Development: Code generation, debugging, documentation, technical research, and development workflow acceleration.

AI Applications: LLM-powered assistants, AI-enabled automation, intelligent workflows, and AI in education.

Machine Learning: Foundational/application-level exposure to ML concepts, data preparation, predictive analytics, and intelligent applications.

Data & Analytics: Python, data analysis, visualization, and data-driven decision support.

IoT / Robotics: Intelligent systems, automation, sensors, and practical exploration of emerging technology applications.

ACADEMIC ENGAGEMENT

40+ technical seminars, workshops, and institutional engagements, including L.D. Engineering College, Ganpat University, and Gandhinagar Technical University.

- Full Stack Development and modern web technologies
- Laravel, ReactJS, and React Native
- Bootstrap and practical front-end development
- Software development and industry skills
- Career and job-readiness oriented technical sessions

INDUSTRY-ACADEMIA COLLABORATION

- Industry-oriented curriculum and skill-gap alignment
- Technical workshops, guest lectures, and student bootcamps
- Student project mentoring and career-readiness programs
- Faculty / trainer upskilling and emerging technology awareness
- Practical technology programs connecting academic learning with workplace expectations

RESEARCH & INNOVATION INTERESTS

- Generative Artificial Intelligence and Large Language Models
- AI in Education and Intelligent Learning Systems
- AI-Assisted Software Engineering
- Machine Learning Applications
- Data Analytics and Predictive Applications
- Computer Vision and Natural Language Processing
- AI-Powered Automation
- IoT and Intelligent Systems
- Robotics and AI
- Emerging Technology Adoption in Education

PRODUCT & TECHNOLOGY LEADERSHIP

Product Owner | TroopyStack | Leads & Learning Management Portal

- Lead product direction and feature planning for lead-management and learning-management workflows.
- Work across workflow design, role-based access, admissions, learning operations, live-session capabilities, and reporting.
- Drive technology-enabled processes for institutes, branches, administrators, counsellors, faculty, and learners.
- Translate institutional requirements into technology-enabled workflows and product initiatives.

SELECTED TECHNOLOGY PROJECTS

College Management System — Laravel, PHP, MySQL, PayPal

US-based college-management application with payment workflow integration.

Shopizen - Multi-Vendor E-Commerce — PHP MVC/OOP, MySQL

Vendor registration, product selling, PDF generation, and third-party payment gateway integration.

Blood Buddies — Android Concept + PHP Admin Panel

Social application concept supporting blood-donation connections with administrative functionality.

Dentzcare Healthcare CMS — PHP MVC/OOP

CMS-oriented application for clinic / healthcare management.

Carib List Property Platform — PHP / Web Technologies

Property-rental system developed for a Barbados-focused application.

ShaameHotels — WordPress

Hotel-focused web application.

STUDENT PROJECT & TECHNOLOGY MENTORING

- Final-year and academic project guidance
- Technology selection and application architecture
- Practical implementation and debugging support
- Project documentation and presentation mentoring
- Portfolio and industry-readiness guidance
- Exposure to modern development tools and emerging technologies

EDUCATION

Master of Science in Information & Technology

Kadi Sarva Vidhyalaya, Gandhinagar | 2013

Bachelor of Computer Application

Gujarat University, Ahmedabad | 2011

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

Professional development focus: continuous learning across Artificial Intelligence, Generative AI, AI productivity tools, modern software development, Data Analytics, and emerging technology platforms. Specific certification names and issuing organizations to be added once verified.

CORE LEADERSHIP COMPETENCIES

Leadership: Academic Leadership, Team Leadership, Strategic Planning

Education: Curriculum Planning, Industry Training, Student Mentoring, Project Guidance

Technology: Technology Strategy, AI & Emerging Technology Adoption, Technology Product Management

Collaboration: Industry–Academia Collaboration, Professional Upskilling

ACADEMIC VALUE PROPOSITION

Combines hands-on software-development experience, academic leadership, corporate technology training, industry-ready student mentoring, emerging-technology exposure, and strategic technology leadership — with a practical focus on connecting academic learning to real-world IT careers.