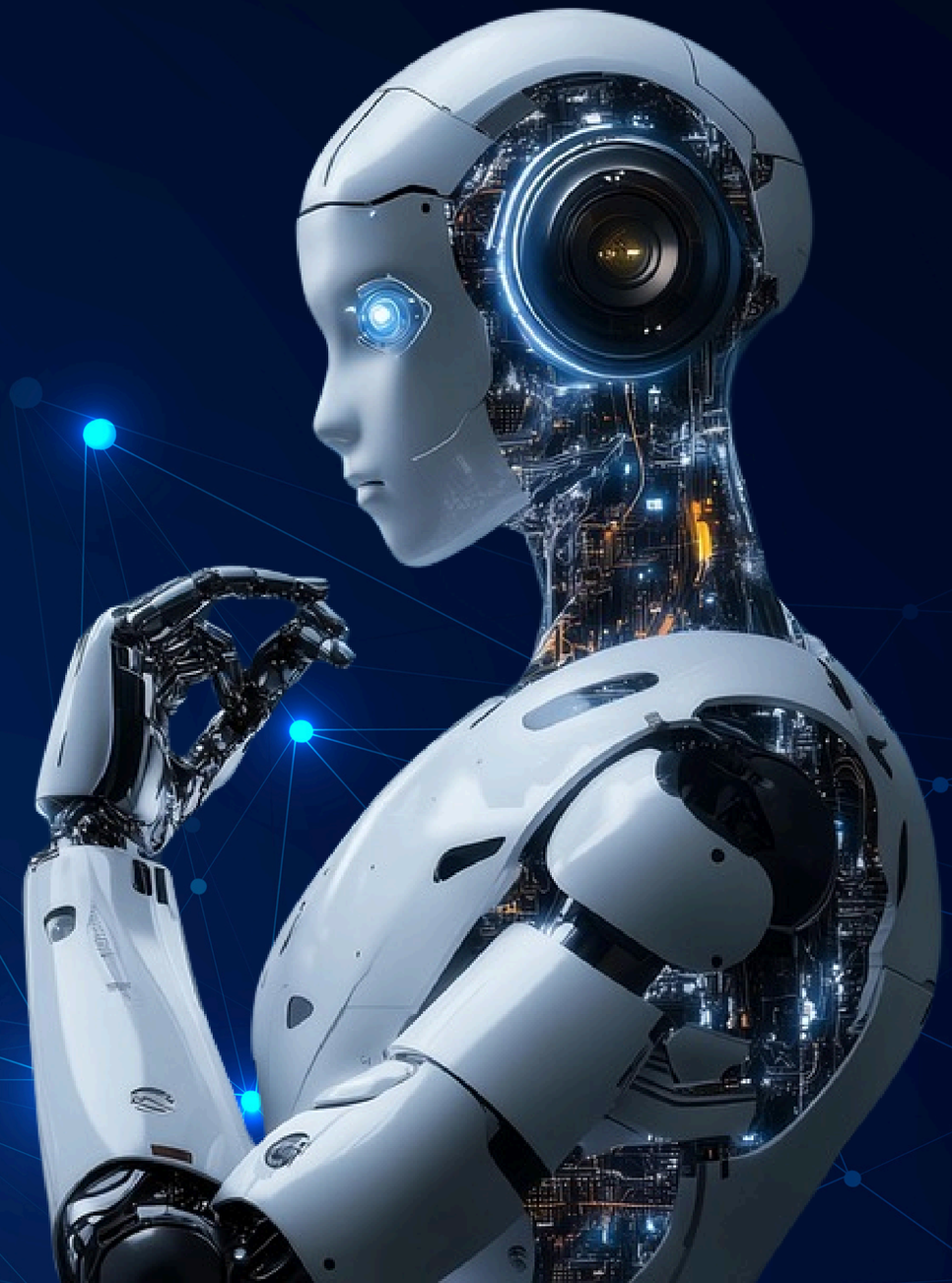
VERTEX TECHNOLOGIES

Pioneering AI Solutions for Tomorrow's Challenges



https://www.vertextechnology.com/

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Why Choose Vertex Technologies?

- 15+ Years of Industry Expertise in Software Development
- AI/ML Leadership: Generative AI, LLMs, RAG, MCP, Agents & Prompt Engineering
- Proven Delivery: 100% Job Success on Upwork, Top-Rated Global Agency
- Full-Stack Capability: From strategy & prototyping to deployment, cloud, and support
- Cross-Industry Coverage: Real estate, finance, healthcare, education, e-commerce, media, government & more

About US

Transforming Businesses Through AI Innovation

Vertex Technologies LLC is a New Jersey-based Software Development Company delivering tailored solutions in Custom Generative AI, Automation, Web/Data Scraping, Software Engineering, and Remote IT Staffing services.

With over 15 years of consistent growth and offices in the U.S. and India, we accelerate digital transformation for organizations globally—enabling them to harness the full power of AI and automation for business excellence.

Established	Clients	Project Delivered	Team
2010	30+ happy clients worldwide	50+ (across 15+ industries)	10+ skilled engineers & AI experts

Our Mission & Vision

Mission

To revolutionize businesses through advanced AI and machine learning solutions, making intelligent automation accessible and impactful for organizations of all sizes.

Vision

To be a global leader in AI innovation, delivering sustainable value through intelligent, ethical, and scalable technologies.

What Makes Us Different?

Innovation

We build next-gen AI; not just software but intelligent, adaptable systems that solve real business problems.

Excellence

Quality-first development, on-time delivery, transparent engagement.

Integrity

Full compliance, data privacy, and ethical engineering.

Collaboration

Client partnership is at the core of our project methodology.

Services Overview

GENERATIVE AI & NLP SOLUTIONS

Harness the power of advanced language models to automate communication, generate content, and deliver intelligent document search. Our AI chatbots, RAG-based knowledge solutions, and automated tools drive efficiency, 24/7 support, and actionable insight for your business.

CONVERSATIONAL AI & BOT DEVELOPMENT

Enhance your customer support, sales, and onboarding with smart, multi-channel chatbots and automation agents. We create bots that speak multiple languages, work across platforms, and integrate seamlessly into your workflows—improving satisfaction and scaling your engagement.

COMPUTER VISION & IMAGE ANALYSIS

Transform images and video into business value with real-time detection, face recognition, and advanced analytics. From attendance and identity verification to traffic and retail analytics, our computer vision solutions automate processes and turn visual data into actionable intelligence.

DATA ANALYTICS, VISUALIZATION & MACHINE LEARNING

Turn your data into a strategic asset with custom dashboards, predictive analytics, and machine learning. We design and deploy end-to-end pipelines, interactive dashboards, and automated reporting that accelerate decisions and reveal new opportunities.

Services Overview

AUTOMATION & WORKFLOW ORCHESTRATION

Streamline complex business workflows with Python, no-code, and cloud automation. We help you automate data entry, reporting, integrations, and repetitive tasks—saving time, cutting costs, and connecting your business tools for seamless operations.

WEB DEVELOPMENT & APP ENGINEERING

Build secure, scalable digital products with our full-stack web and app engineering expertise. From modern frontends to cloud-native backends and seamless integrations, we deliver robust solutions that enhance your digital presence and user experience.

WEB SCRAPING & DATA EXTRACTION

Gain a competitive edge with robust data extraction from web, e-commerce, social media, and scanned documents. We provide robust, anti-bot and CAPTCHA-solving scraping solutions, PDF and scanned document OCR, etc. Our custom solutions deliver clean, actionable data for compliance, sentiment analysis, and market intelligence, empowering faster decisions.

REMOTE STAFFING SERVICES

Scale your technology teams on-demand with pre-vetted remote talent. We provide specialized developers and agile teams in AI, automation, data, and DevOps—helping you reduce hiring risks, control costs, and maintain full project oversight.

TECHNOLOGY STACK

Cloud
AWS, Azure, GCP, Docker, Firebase, Heroku, VM server, etc.

AI/ML
OpenAI GPT-4.1/4o, Azure OpenAI, LLAMA, Claude, LangChain, CrewAI, MCP, RAG, GenAI ...

Backend Development
FastAPI, Flask, Django, Express.js, NestJS, .NET Core & .NET MVC, etc.

Frontend Development
MEAN/MERN (ReactJS, Angular, Next.js), CSS, PVA, TypeScript & JavaScript, Streamlit, Gradio, Chainlit...

Computer Vision
YOLOv8, PaddleOCR, FaceNet, Stable Diffusion, Amazon Rekognition, Google Vision AI

Data Management
Power BI, Tableau, PostgreSQL, MySQL, MongoDB, Pinecone, FAISS, weaviate, Neo4j...

DevOps
GitHub Actions, CI/CD, Kubernetes

Web Scraping & Automation
BeautifulSoup, Scrapy, Selenium, Puppeteer, Playwright,, Requests, Rotating Proxies, Anti-captcha, Cron Jobs, etc

Workflow Automation
Zapier, Make.com, Selenium, Stammer, Appium, N8N, etc.

Others
Streamlit, Chainlit, Figma, Canva, Adobe XD, JIRA, Slack, Microsoft Teams, Bots...

DRIVING TRANSFORMATION ACROSS SECTORS

VERTEX TECHNOLOGIES DELIVERS ADVANCED AI AND AUTOMATION SOLUTIONS TO A DIVERSE RANGE OF INDUSTRIES. OUR EXPERTISE EMPOWERS ORGANIZATIONS TO INNOVATE, OPTIMIZE OPERATIONS, AND CREATE VALUE IN EVERY SECTOR WE SERVE.

Real Estate & Finance

Real Estate, Mortgage, Finance, Insurance

Healthcare & Life Sciences

Healthcare, Lifestyle, Hospitality, Education

Retail & Digital Commerce

E-commerce, Retail, SaaS, Automobile

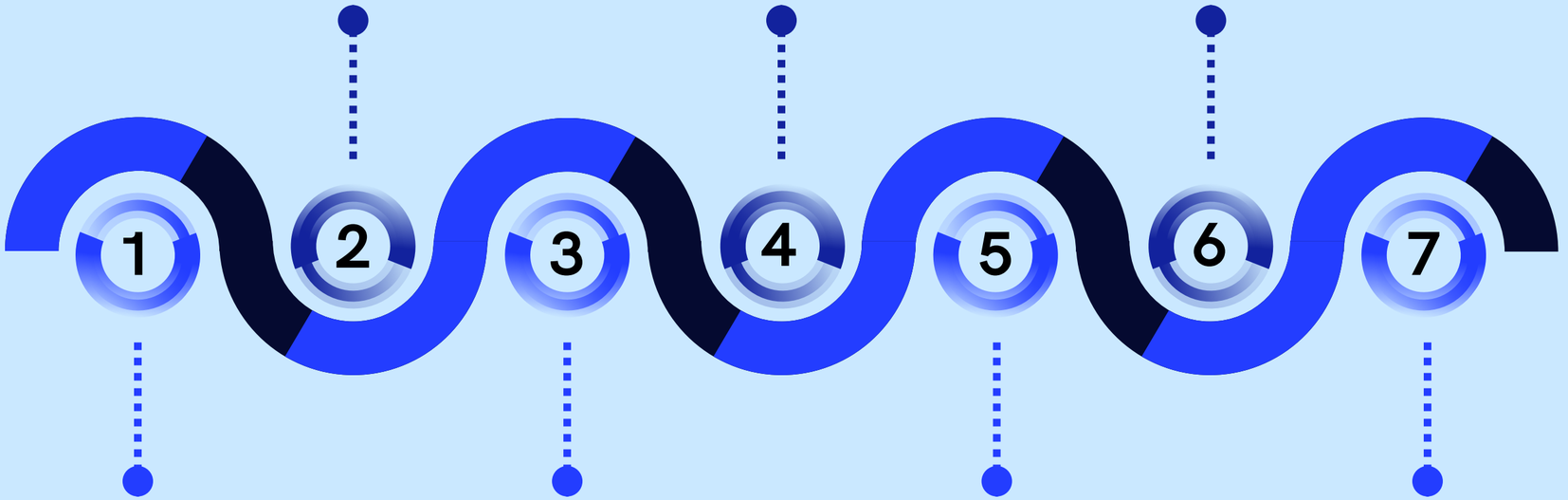
Public Sector & Services

Government, Legal, Staffing, Social Media

Travel & Manufacturing

Travel, Manufacturing, Logistics, Supply Chain

Featured Solutions and Use Cases



Sales & Marketing

AI Pitch Deck & Email Generation, Sales Call Analysis, Lead Qualification

Real Estate

Property Search Bots, Market Dashboards, Location Analytics, Agent Assistants

Customer Experience

24/7 Support Chatbots, CRM-integrated Chat, Sentiment Feedback Analyzers

Media & Content Creation

Automated Writing, Blog/Image Generation, Content Rewriting, Text-to-Image Tools

Business Intelligence

AI-Powered Reporting from CSV/SQL, KPI Dashboards, Document Insight Extraction

Data Extraction & Automation

Automated Web/PDF Data Extraction, Audio Transcription, Insurance/Patient Data Automation

Document Intelligence

Resume Parsing & Matching, Compliance Risk Scoring, Summarization & Indexing

Our Team

Meet the experts behind our success

Pragnesh Shah

CEO & Founder

Masters, Computer Science (IIT Chicago, USA). 25+ years in Generative AI, embedded telecom, fintech, and custom AI solutions, advisor for UC Irvine (CA).

Umangi Shah

Partner & Software Architect

Masters, Electrical Engineering. 20+ years in enterprise financial/web systems, Microsoft Certified, leader in scalable business solutions.

Thank You

Ready to Lead with AI?

Let’s discuss your needs and see how Vertex Technologies can help your business grow!

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Vertex Technologies – Transforming Businesses Through AI