

Vaibhav Sharma

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EXECUTIVE PROFILE

Full-stack and AI engineering leader with around 6 years of experience designing scalable enterprise applications, architecting proprietary AI products, and driving technological transformation. Proven track record of orchestrating MERN stack architectures, integrating cutting-edge AI systems, and leading cross-functional teams to deliver high-impact software while enforcing strict operational excellence.

EXPERIENCE

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| Eminence Technology | Jan 2026 – Present |
| <i>Team Lead MERN and AI</i> | <i>Jan 2026 – Present</i> |
| <ul style="list-style-type: none">• Spearheaded engineering for 2 proprietary AI products: ITSBOT (conversational AI platform) and Todemy (AI-driven adaptive sensory learning platform).• ITSBOT (AI Platform): Architected real-time conversational voice agents and voice bots (STT-LLM-TTS via WebSockets/WebRTC) and intelligent chatbots with unified cross-channel context (CRM, WhatsApp).• Advance Applied AI: Engineered autonomous agentic workflows and high-accuracy RAG pipelines with vector embeddings, automating lead qualification and multi-agent task routing.• Todemy (Adaptive Learning): Designed backend services and personalised AI orchestrations, delivering dynamic sensory learning paths, voice-guided interactions, and child-safe data pipelines.• MERN & Team Leadership: Directed cross-functional engineering teams, architecting scalable microservices, CI/CD automation, and robust APIs ensuring 99.9% uptime for production AI deployments. | |
| Novoinvent Softwares | Mar 2021 – Jan 2026 |
| <i>Senior Software Engineer</i> (Promoted from Software Engineer) | <i>Mar 2021 – Jan 2026</i> |
| <ul style="list-style-type: none">• Managed cross-functional collaboration among 13 engineering professionals and stakeholders to deliver high-quality software solutions on time.• Delivered 5 Fintech modules within 12 months by converting requirements into detailed technical specifications.• Developed user-centric applications achieving a Lighthouse score of 95+, utilizing Angular, React.js, and TypeScript.• Improved code quality by implementing code reviews, resulting in a 30% reduction in bugs across 2,500+ commits. | |
| Freelance Developer | Remote |
| <i>Full-Stack Engineer</i> | |
| <ul style="list-style-type: none">• Architected and deployed 10+ full-stack web applications using React, Node.js, and MongoDB for SMB clients, delivering scalable and responsive solutions.• Engineered a comprehensive travel agency platform with a custom CMS, dynamic pricing engines, and automated booking workflows, driving increased client conversions.• Optimized platform SEO and web performance, achieving 90+ Lighthouse scores and securing Top 3 search engine rankings for key client keywords.• Integrated complex third-party APIs (payment gateways, scheduling systems), significantly streamlining operational workflows and enhancing the end-user experience. | |

EDUCATION

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| BITS Pilani – Work Integrated Learning Programme | Remote |
| <i>M.Tech in Artificial Intelligence & Machine Learning</i> | <i>Expected Mar 2027</i> |
| RDEC - Dr. A.P.J. Adbul Kalam University | Ghaziabad, UP |
| <i>Bachelor's Degree in Computer Science & Engineering</i> | <i>2018 – 2022</i> |
| Jaypee Vidya Mandir | Anoopshahr, UP |
| <i>Intermediate with PCM(Computer Science)</i> | <i>2017 – 2018</i> |

TECHNOLOGY & DOMAIN COMMAND

Artificial Intelligence: Advance Applied AI, Voice Agents, Voice Bots, RAG, Chatbots, Personalised AI Orchestrations, Agentic Workflows
Engineering & Cloud: JavaScript, TypeScript, Node.js, Express.js, AWS, Docker
Frontend Architecture: React.js, Next.js, Angular, Tailwind CSS
Data & Databases: PostgreSQL, MongoDB, MariaDB, Prisma ORM, SQL
Operating Cadence: System Architecture, Agile/Scrum, CI/CD Pipelines, Cross-functional Leadership