

Amit Kumar Mahato

Full-Stack Developer

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OBJECTIVE: Creative and performance-focused Full-Stack Developer experienced in building modern, high-performance web applications that deliver seamless user experiences, and drive business results. Specialized in the React.js ecosystem and modern JavaScript development, with a strong focus on scalability and optimization. Seeking to contribute to a growth-oriented engineering team by delivering efficient, reliable, and high-impact solutions.

PROJECTS:	Manage In Sync	Jan 2026 – Present
	<ul style="list-style-type: none">A multi-tenant SaaS platform enabling tech agencies to manage teams, clients, and projects with strict tenant-level isolation enforced via MongoDB query scoping, and custom middlewareDesigned granular role-based access control (owner, admin, member, client) secured through JWT authentication, bcrypt hashing, and middleware authorizationImplemented invite-only email onboarding with expiring token-based activation links, alongside Google and GitHub OAuth integrationEnforced front-end route guarding and role-based UI restrictions to prevent unauthorized cross-tenant access	
	Pixelva	Jan 2026 – Present
	<ul style="list-style-type: none">A Chrome extension built using Manifest v3 that captures active tab screenshots and provides a React and Tailwind-based in-browser editorImplemented background service workers, secure message passing, and canvas-based image rendering to support gradient overlays and dynamic resizingDesigned an extensible architecture for text, shapes, and multi-platform aspect ratio exports	
	API performance scaling	Feb 2026 – Finished
	<ul style="list-style-type: none">Conducted structured performance benchmarking using Autocannon to evaluate API throughput under multiple scenarios, including artificial latency, rate limiting, Redis caching, and Node.js clustering	

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- Improved throughput from approximately 9 requests per second (1-second I/O delay) to approximately 9,700 requests per second through Redis caching and multi-core clustering
 - Demonstrated the impact of latency on scalability, and validated caching effectiveness in masking slow I/O operations
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EDUCATION:	BACHELOR OF COMPUTER APPLICATIONS	September 2023 – Present
	Sarala Birla University, Ranchi, Jharkhand	

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| SKILLS: | <ul style="list-style-type: none">• Programming Languages: JavaScript (ES6+), TypeScript• Frontend: React, Redux, React Router, Axios, Tailwind CSS, CSS, SCSS• Backend: Node.js, Express.js, MongoDB, Mongoose, JWT, REST APIs, CORS, Cloudinary, Postman• Tools and platforms: Git, npm, yarn, pnpm, VS Code, Docker, Vercel, Netlify, Render• Other: Responsive design, performance optimization (caching, clustering, MongoDB optimization) |
| | <ul style="list-style-type: none">• Team collaboration in academic and project environments• Problem-solving and system design thinking• Feature planning and iterative development |
| | <ul style="list-style-type: none">• Languages: English (B2), Hindi (Native); |
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CERTIFICATIONS:	JOB-READY AI-POWERED BOOTCAMP	– Sheryians Coding School
	SOFTWARE ENGINEERING JOB SIMULATION	– JPMorgan Chase & Co. (Forage)
