

ADITYA PODDAR

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SUMMARY: Full Stack Engineer with a strong foundation in modern JavaScript ecosystems, cloud infrastructure, and AI integrations. Proven experience architecting scalable SaaS platforms, designing custom backend systems, and automating deployment pipelines. Passionate about building robust, production-ready applications with optimized front-end performance and secure data architectures.

TECHNICAL SKILLS:

- **Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3, Java
- **Frameworks & Libraries:** Next.js, React.js, Node.js, Express.js, Tailwind CSS, Material UI.
- **Cloud & DevOps:** AWS (EC2, S3, IAM, API Gateway, Amplify), Docker, GitHub Actions (CI/CD), Jest, Vercel, Render
- **Databases:** MongoDB Atlas, Mongoose ODM, SQL
- **Security & Tools:** JWT, bcrypt.js, Git, GitHub

WORK EXPERIENCE:

Full Stack Developer | Yuva Nexus Technologies LLP | May 2025 – Present

- Architected and launched calculators.lol, a SaaS platform featuring 400+ analytical tools, utilizing Next.js Static Generation and Metadata API to maximize SEO and minimize latency.
- Engineered responsive, dynamic web applications using React, Next.js, and Tailwind CSS, implementing code splitting to optimize core web vitals and improve load performance.
- Developed and integrated RESTful APIs to support complex front-end features while maintaining a clean, modular, and scalable codebase.
- Automated real-time client communication workflows via the Resend API, improving system reliability and user engagement.

PROJECTS:

CodePulse — Custom Version Control System | Node.js, AWS, MongoDB, Express.js, React.js Link: [CodePulse](#)

- Built a full-stack Version Control System from scratch featuring a custom CLI (yargs, chalk.js) for init, add, commit, push, pull, and revert operations.
- Architected robust cloud infrastructure by deploying the backend on Amazon EC2, managing distributed file storage with S3, and handling routing and access control via API Gateway and IAM
- Implemented secure JWT-based authentication alongside full repository CRUD operations, activity heatmaps, and a repository starring system.

DevGPT — AI Chat Assistant | React, Node.js, Express.js, MongoDB, GitHub Actions

Link: [DevGPT](#)

- Engineered a full-stack AI assistant featuring real-time, word-by-word streaming using Server-Sent Events (SSE) to optimize response delivery from the OpenRouter API.
- Designed and implemented a fully automated CI/CD pipeline using GitHub Actions and custom .YML workflows to manage seamless, independent deployments for both frontend and backend services via self-hosted runners.
- Developed a secure multi-thread chat system with persistent sessions, history retrieval, and dynamic thread management in MongoDB using JWT and bcrypt.js.
- Maintained continuous high availability for production environments, ensuring a reliable experience for active end users.

EDUCATION & CERTIFICATIONS:

- **M.Sc. Physics** | Central University of Karnataka | Nov 2022 – Jul 2024
- **B.Sc.** | Gulbarga University | Jun 2019 – Nov 2022
- **Full Stack Web Development Certification** | Apna College | 2025