

# Vivek Bandi

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## Education

### SR University

Bachelor of Technology in Computer Science Engineering – CGPA: 8.0/10

Warangal, Telangana

Expected May 2027

### SVS Group of Institutions

Diploma in Computer Engineering – CGPA: 8.27/10

Warangal, Telangana

2021 – 2024

## Technical Skills

**Languages:** Java, JavaScript, TypeScript, C

**Web Technologies:** React, Next.js, Node.js, Express.js, HTML/CSS, Tailwind CSS, Vite, shadcn/ui

**Databases & Cloud:** PostgreSQL, MongoDB, MySQL, Prisma, Docker, AWS, Vercel, Supabase

**Tools:** Git, GitHub, Postman, Zod, IntelliJ IDEA

## Experience

### Freelance Full-Stack Developer

Sep 2025 – Present

Heera E Vehicles | [heeraevehicles.in](https://heeraevehicles.in)

Remote

- Developed and maintain a full-stack electric vehicle showroom with user/admin portals, vehicle browsing, offers management, and test drive scheduling.
- Engineered a secure backend with Node.js, Express, and MongoDB, implementing JWT authentication and Role-Based Access Control (RBAC) for admin security.
- Designed a mobile-first responsive UI using React, TypeScript, and Tailwind CSS, improving load times and user accessibility.

## Open Source Contributions

Checkstyle – PR #18902 | *Java Static Analysis Tool*

Merged

- Contributed to core Java tooling by enhancing AST parsing documentation for Javadoc tokens, improving clarity for thousands of developers using Checkstyle in their CI/CD pipelines.

Eclipse JKube – PR #3625 | *Cloud-Native Java Tooling*

Merged

- Modernized dependency architecture by upgrading Micronaut versions and integrating OpenShift plugins, ensuring compatibility with the latest cloud-native standards.

Leadlly – PR #14 | *EdTech Platform*

Merged

- Improved frontend code quality by resolving DOM property validation errors in SVG elements, eliminating console warnings and improving rendering performance.

## Projects

Flux - AI Finance Tracker | [GitHub](#) | [Live](#)

- Built an AI-powered expense tracker with a natural language interface using Tambo SDK for conversational financial insights.
- Implemented real-time budget management and automated overspending detection using Next.js 16 (App Router) and Drizzle ORM.
- Integrated Supabase Auth with Row Level Security (RLS) to ensure strict data isolation and secure CRUD operations.

Lox Language Interpreter | [GitHub](#)

- Implemented the scanner (lexer) for the Lox programming language in Java, handling tokenization of keywords, identifiers, and operators.
- Engineered a robust text analysis pipeline to parse source code into tokens, serving as the foundation for the language's parser and interpreter.

Book Finder | [GitHub](#) | [Live](#)

- Developed a responsive React application integrating the Open Library API for real-time book searching and data retrieval.
- Designed a modern UI with Tailwind CSS, featuring glassmorphism effects and skeleton loading states for a seamless user experience.