

# Richmond Lavadia

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## Skills

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**Programming:** Python, TypeScript, JavaScript, C#, MySQL, MongoDB, Supabase, Redis

**Frameworks:** Next.js, Express.js, React.js, Tailwind CSS, Bootstrap, Langchain

## Experience

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**Co-founder**, Clarity AI – Tuguegarao City, CAG Dec 2023 – April 2024

- Won the Philippine Startup Challenge 8 among 629 entries from 158 schools nationwide by developing Clarity, an AI tool designed to enhance developers' understanding of codebases
- Headed development as part of a 2 person engineering team, overseeing all aspects from planning to implementation, and successfully delivered the project on schedule
- Optimized the architecture leading to 80% reduction in API usage costs and significantly enhancing its ability to help developers understand complex codebases

**Web Developer Intern**, Jaehub – Quezon City, NCR June 2023 – July 2023

- Optimized Jaehub's POS database schema, which improved query performance, reduced retrieval times, and documented the database to enhance maintainability and streamline onboarding
- Developed Jaehub's landing page using React.js, improving overall user experience and lead generation.

## Projects

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**Kaya** github.com/supermonmon/kaya-nextjs

- Won 2nd place out of 21 teams in a hackathon by developing Kaya, an AI-powered job matching and upskilling platform designed to provide job opportunities and continuous learning to educators
- Built using Next.js, Supabase, Prisma, Pusher, and Gemini API, leveraging serverless functions for the API to achieve a 30% improvement in responsiveness and scalability, with enhanced real-time communication capabilities.

**WeComply** w3comply.com

- Developed an attendance and automated sanctioning system for the 59th University Week at the University of Saint Louis, streamlining attendance tracking for over 300 students and enhancing operational efficiency

**CPU Scheduling Visualizer** github.com/supermonmon/cpu-scheduling-visualizer-go

- Developed a lightweight terminal application in Go Language for visualizing various CPU scheduling algorithms, optimized to a compact size of 31KB

**Laborlinkz** github.com/CharlesLucero/FinalLaborLinkzMobile

- Led a team of 5 to develop a React Native and Express.js freelancing platform for blue-collar workers, which was selected for paper presentation at International Conference for ITE 2023

## Education

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**University of Saint Louis** – BS Computer Science

June 2024