

Enrin Debbarma

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EDUCATION

The Pennsylvania State University, Capital College
Bachelor of Science in Computer Science

Harrisburg, PA
Aug. 2021 – Dec 2025

EXPERIENCE

Software Engineer Intern

June 2025 – Present

Alervio Inc.

Bridgewater, NJ

- Built responsive PWA using React.js and Firebase for real-time restaurant risk analysis for enterprise restaurant clients
- Integrated AI chatbot using FastAPI, OpenAI GPT-4o, and Pinecone vector DB for personalized dietary safety guidance
- Led migration to TypeScript and Tailwind CSS and designed UI/UX in Figma, improving code maintainability and development efficiency by 40%

Software Engineer

June 2025 – Present

Life After Ostomy

Harrisburg, PA

- Developing e-commerce platform with Next.js, TypeScript, and Supabase, targeting 10,000+ ostomy community members
- Implemented secure payment processing with Stripe API, with planned integration of Shopify and Amazon APIs
- Built accessible, mobile-first UI using TypeScript and Tailwind CSS, implementing SEO best practices, and achieving 98% accessibility score

IT Operations Specialist

Mar. 2024 – Oct. 2024

Penn State Harrisburg

Harrisburg, PA

- Resolved 50+ daily IT support tickets using ServiceNow, improving reliability for 5,000+ campus users
- Configured and maintained 200+ workstations and IoT devices, ensuring secure, continuous network connectivity

PROJECTS

NextStep | *React.js, Node.js, Express.js, React Native, MongoDB*

Nov. 2024 – Present

- Full-stack job matching platform with web (React.js) and mobile (React Native) interfaces
- Built real-time chat system using WebSockets, and secure authentication using JWT/bcrypt + OAuth 2.0
- Integrated OpenAI GPT-4o for resume parsing and semantic search for job recommendation
- Built Express.js backend with MongoDB Atlas, implemented Jest testing, and deployed via Vercel/Render with CI/CD workflows

GitMatch | *React (Vite), FastAPI, PostgreSQL*

May 2025 – Present

- Developer matchmaking platform using React (Vite) and FastAPI + PostgreSQL backend
- Built data ingestion pipeline with GitHub APIs capable of processing 1,000+ developer profiles
- Integrated Clerk authentication for secure user management and profile access

enrinjr.com | *React.js, JavaScript, AWS S3*

April 2025 – Present

- Responsive personal website with AWS S3 integration for authenticated uploads, averaging 300 monthly visitors
- Implementing Spotify API integration for real-time music display with optimized performance

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, SQL, HTML, CSS

Frontend: React.js, Next.js, React Native, Tailwind CSS, Redux, NextAuth.js

Backend: Node.js, Express.js, FastAPI, Flask, MongoDB Atlas, PostgreSQL, Firebase

Cloud & Tools: Vercel, Render, AWS, GCP, Jira, Git, GitHub, Figma, REST APIs, Postman, Jest

LEADERSHIP & ACTIVITIES

Global Entrepreneur Scholar

May 2025 – Present

Harrisburg Launchbox powered by Penn State

Harrisburg, PA

- Selected for competitive program and awarded \$1,500 stipend for entrepreneurship and technology innovation

Global Ambassador

Jan. 2023 – Oct. 2023

Penn State Harrisburg

Harrisburg, PA

- Represented university at campus events, engaging 200+ prospective students in Arts and Culture