

Enrin Debbarma

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EDUCATION

The Pennsylvania State University
Bachelor of Science in Computer Science

Harrisburg, PA
Jan. 2022 – Dec 2025

EXPERIENCE

Software Engineer Intern <i>Alervio Inc.</i> alervio.com	June 2025 – Aug. 2025 Bridgewater, NJ
<ul style="list-style-type: none">Led development of full-stack application, and integrated LLM-powered features using FastAPI and vector searchBuilt production B2B platform using React, Firebase, and TypeScript; developed ML-based matching algorithm to process datasets from external APIsEstablished CI/CD pipeline with Vercel and designed UI/UX in Figma, translating mockups into frontend componentsProposed migration to Next.js and Tailwind CSS, improving development efficiency by 40%	

Software Engineer <i>Life After Ostomy</i> lifeafterostomy.com	Aug. 2025 Harrisburg, PA
<ul style="list-style-type: none">Built an e-commerce platform for an ostomy support community of 3,000+ members using Next.js, TypeScript, and SupabaseOptimized SEO and performance, driving a 178% increase in visitor traffic within 30 daysIntegrated secure Stripe payments and delivered a mobile-first, accessible UI, achieving a 98% accessibility score	

PROJECTS

NextStep nextstep4.com <i>Express/Node, MongoDB, AWS EC2, Docker</i>	<ul style="list-style-type: none">Built and deployed a full-stack AI job-matching platform on AWS EC2 with 200+ monthly visitorsDesigned a Node.js backend with real-time job API integration, Docker containerization, automated CI/CD using GitHub ActionsBuilt an automated resume analyzer using OpenAI Assistants API for skill extraction and profile auto-populationEngineered semantic search with OpenAI embeddings and MongoDB Vector Search for natural language job queriesImplemented a self-improving RAG system with LangChain and Gemini that learns from user feedback, optimizing latency 10x (2s → 200ms) while reducing API costs by 90%Secured the platform with JWT and OAuth 2.0 authentication, bcrypt password hashing, and automated testing with Jest
aSpot GitHub <i>Spring Boot, Next.js, PostgreSQL, Elasticsearch, Redis, Kubernetes</i>	<ul style="list-style-type: none">Built a travel itinerary platform using Spring Boot microservices with RAG-powered schedule generation using GPT-4Implemented real-time collaborative trip planning using WebSocketsDeveloped location-based activity search using Elasticsearch geospatial queries and Google Places APIImplemented route optimization using Google Directions API to reorder activities by shortest travel timeContainerized 11 services using Docker Compose and deployed to Kubernetes with Redis caching and 3 PostgreSQL instances
GitMatch <i>React (Vite), FastAPI, PostgreSQL, Clerk</i>	<ul style="list-style-type: none">Built a developer matchmaking platform using FastAPI that analyzes GitHub profiles to recommend compatible developers based on coding behavior, language overlap, and activity patternsIntegrated Groq Mistral LLM for tagline generation and built data pipeline with caching and bot detection

TECHNICAL SKILLS

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

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

Backend: Node.js, Express.js, FastAPI, Flask, Spring Boot, Langchain, REST APIs

Databases: PostgreSQL, MongoDB, Supabase, Firebase, Upstash

Cloud/DevOps: AWS, EC2, S3, GCP, Docker, Kubernetes, Vercel, GitHub Actions

Tools & Other: Git, GitHub, Cursor, Claude Code, Redis, Nginx, Jira, Figma, Vite, Postman, Jest, Bash, Clerk, Twilio