

Kamakshya Nanda

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EDUCATION

Illinois Institute of Technology

Chicago, IL

Master of Science in Computer Science

Aug. 2024 – May 2026

Coursework: Machine Learning, Databases, Programming Languages, Algorithms, Web Technologies

TECHNICAL SKILLS

Languages & Tools : JavaScript, TypeScript, SQL, Git, OCaml, C++, C#, Python,

Frameworks & Libraries : ReactJS, Next.js, AngularJS, VueJS, NodeJS, ExpressJS, TailwindCSS, Redux, FastAPI, MAUI, D3.js

Web & Databases : HTML, CSS, REST APIs, MySQL, MongoDB, PostgreSQL

Operating Systems & Cloud : Windows, Ubuntu Linux, macOS, Azure, AWS, VPS

EXPERIENCE

Software Engineering Intern

Feb. 2024 – July 2024

C-BIA Consulting Pvt. Ltd.

Mumbai, IN

- Led cross-platform application development (**.NET 6, MAUI**), resulting in a **15%** increase in user sign-ups within the first month of launch
- Optimized data driven **.NET APIs** and SQL Server integration, reducing data processing times by **30%** and improving the speed of internal reporting and analytics
- Developed a Zoom plugin in **VueJS**, increasing virtual classroom engagement by **40%** (measured by daily feature usage)

Software Engineering Intern

May 2023 – Aug. 2023

Proteus Technologies Pvt. Ltd.

Mumbai, IN

- Deployed a **D3.js**-based data visualization module within an **AngularJS** BI application, which led to a **20% increase** in client interaction with new dashboards and reports
- Automated Dremio data lake-house management with a custom **Python** script, streamlining CRUD operations and improving data access and manipulation efficiency for the analytics team.

PROJECTS

On-Demand Caddy-Golfer Marketplace | *Next.js, Supabase, PostgreSQL, Prisma*

Dec 2024 – Nov 2025

- Engineered a full-stack, on-demand marketplace using **Next.js** and **Supabase** to connect golfers with caddies, automating the entire booking and matching process
- Architected a real-time dispatch system leveraging **Supabase Realtime** features, instantly pushing new golfer requests to a **live job board** accessible by all active caddies
- Implemented a secure, **role-based authentication** system (for golfers and caddies) with betterAuth and developed a geo-filtering mechanism using Prisma and PostgreSQL to ensure caddies only receive relevant, localized job notifications

Monte Carlo Simulation Tool | *Python, FastAPI, Next.js, Github, Azure*

April 2025 – May 2025

- Developed a tool for stock price forecasting using Monte Carlo simulations, featuring a **FastAPI** backend and a **Next.js** frontend
- Streamlined the development workflow by implementing CI/CD pipelines with **GitHub Actions** for automated deployment to **Azure App Service**
- Built a responsive **Next.js** frontend with advanced features like real-time **error handling** and user feedback mechanisms to enhance the user experience

PDF2QR.com | *Next.js, PostgreSQL, Azure*

Dec 2024 – Feb. 2025

- Engineered a full-stack application that provides automated QR code generation from PDF uploads, built with **Next.js** and deployed on **Azure**
- Implemented a secure and scalable file storage solution using Azure **Blob Storage** and designed a relational database schema in Azure **PostgreSQL** Database for tracking user uploads
- Ensured system reliability and performance by implementing **GitHub Actions** for CI/CD and actively monitoring the application with **Azure Monitor**