VIBHA NAVALE

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MS in Computer Science at the University of Illinois Chicago with 2+ years of experience as a Software Engineer. Seeking opportunities in full-stack development and AI to apply and enhance my skills in cutting-edge solutions.

EDUCATION

University of Illinois Chicago, IL — Jan 2024 - Expected Dec 2025
Master of Science in Computer Science — GPA: 4.00
Coursework: Software Engineering, Artificial Intelligence, Machine Learning

RNS Institute of Technology, Bengaluru, India — 2017 - 2021
Bachelor of Engineering in Information Science — GPA: 9.08

SKILLS

Technical Skills JavaScript/TypeScript, React, Angular, Node.js, Next.js, AWS, PostgreSQL, GraphQL, REST API, Jest, Mocha, SumoLogic, New Relic, Java, Python

Tools Git, Docker, Jira, Visual Studio and VS Code, Postman, DBeaver, Supabase, Miro, Cortex

EXPERIENCE

Software Engineer — Aug 2021 - Dec 2023
Cimpress — *Bengaluru, India / Remote*

- Developed and implemented various REST containerized microservices using Node.js and Express for a logistics product, optimizing shipping processes and saving up to $100K annually. Built front-end components with React and Angular, and managed databases with PostgreSQL.
- Enhanced API performance by implementing caching mechanisms for frequently accessed data, reducing response time by 40% (from 900 ms to 530 ms) and lowering costs associated with third-party API calls.
- Utilized AWS services including ECS, EC2, API Gateway, and Secrets Manager, and deployed infrastructure using CloudFormation to maintain infrastructure as code. Implemented WAF, automated secrets rotation, and configured secure S3 bucket access to improve security.
- Set up GitLab Runner and CI/CD pipelines and migrated services to ECS, improving deployment efficiency and reducing operational overhead.
- Migrated logs from Sumo Logic to New Relic, cutting logging and monitoring costs by 75% and consolidating monitoring capabilities into a single platform.

Android Developer Intern — Jun 2020 - Jul 2020
NS Jain Constructions — *Remote*

- Independently developed an Android shopping app for construction materials using Java in Android Studio, integrating Firebase for backend services. Collaborated with the client to gather and refine requirements.

PROJECTS

Find Your Roof | `React, Next.js, Supabase` — Jan 2024 - Apr 2024
This web application aims to help homeless people in Chicago find affordable rental houses or nearby shelters, search for jobs, and upload documents to our reliable database.

Social Media Buzz Prediction | `Python` — Apr 2024
Utilizing UCI's dataset, this ML project predicts social media buzz across Twitter and Tom's Hardware forum. Using classification and regression models, it identifies the most accurate predictor for buzz events on these platforms.

Eye Pupil Movement-based PIN Authentication System | `Python` — Aug 2020 - Jul 2021
This project aims to enhance security through a double-layer protection system. It integrates face detection and real-time eye tracking to identify gaze-based PINs using a smart camera.