MUSKAN DHINGRA

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EDUCATION

Indiana University Bloomington   Expected: May 2025
Master in Science in Computer Science   **(GPA: 3.8/4)**

Vellore Institute of Technology
Bachelor in Science in Computer Science   **(GPA: 3.9/4)**

SKILLS SUMMARY

Languages: Javascript, Typescript, C, C++, Java, Python, SQL

Frameworks/Tools: Node.js, React.js, Angular, Express, GraphQL, Tailwind CSS, Socket.io, Prisma, Spring, Spring boot, MongoDB, Next.js, React Native, HTML, CSS, Git, GitLab, Postman

Cloud: Microsoft Azure, Amazon Web Services (AWS), CI/CD, Docker, Kubernetes

Skills: Front-end, Back-end, Agile, Unit Testing, Micro-services, SCRUM, DevOps

PROFESSIONAL EXPERIENCE

Sensitek   **New York, United States**
Software Development Intern   June 2024 - August 2024
- Developed APIs from scratch using **Java** for the backend and wrote **stored procedures**, notably **optimizing** the bundle API of **T-Mobile** Enterprise Portal, reducing **response time** from **300ms to 130ms.**
- Streamlined **Azure** for deployment, introduced **JUnit test cases**, and implemented **macros** in the code.
- Incorporated the client side with **Angular**, utilizing components, services, and **RxJS** for reactive programming.
- Achieved 100% code coverage with **Karma** and **Jasmine**, maintaining 0% code debt and code smells in the **Sonar pipeline**.

Microsoft   **Karnataka, India**
Software Development Intern   May 2022 - July 2022
- Optimized Microsoft Teams' search bar by integrating secondary actions (pop-out chat and schedule a meeting), leading to a **10% decrease** in **Time-to-Success (TTS).**
- Integrated modular, reusable user interface components for secondary actions using **React.js and TypeScript**, ensuring a **responsive** and intuitive user experience with robust and maintainable code.
- Utilized **GraphQL** to streamline data fetching and server communication, reducing **network overhead** and improving feature performance and responsiveness.
- Deployed features on Microsoft Azure, wrote **Unit tests** ensuring scalability and reliability, and set up **CI/CD** pipelines. **DevOps** to automate build, test, and deployment processes, ensuring smooth updates and regression-free code changes.

PCC Softech   **Delhi, India**
Software Development Intern   April 2021 - January 2021
- Optimized **API latencies** by 35%, revamping group pricing and combo strategies to address complex challenges.
- Implemented an **on-host proxy service** in Golang, implementing rate-limiting and caching for **ingress requests**.
- Provisioned AWS resources using **Terraform**, handled authentication between **AWS, Vault, and Lambda**, and wrote GoLang scripts for AWS Lambda, reducing deployment time by 25%
- Revamped a PostgreSQL **adapter for Utopia-PHP**, enhanced authentication features, limited failed attempts, and performed **bug fixes** and performance improvements.

PROJECTS

Instant Pay [Next.js, Prisma, Typescript, Docker, Tailwind CSS, NextAuth]   **May 2024**
A web app that allows users to add money to their wallet and make payments to others with net banking and peer-to-peer transfers and facilitated merchant accounts to send and receive funds.Implemented an auxiliary webhook server to minimize transaction failure by 70%. [Link]

Connect Sphere [React.js, Node.js, MongoDB, Angular, Socket.io, AWS]   **August 2023**
Dynamic communication platform that enables real-time video and voice calling, integrated with a chat feature for persistent messaging. [Link]

Explore Hub [Java, Spring Boot, Angular, JDBC, PostGRESQL]   **June 2023**
A tour management website with hotel bookings, tour planning, interactive maps, secure payments, and user authentication for personalized experiences. [Demo]

ChatNeuron- Enhanced ChatGPT [OpenAI API, Express, OAuth 2.0]   **June 2023**
Users have the flexibility to choose from OpenAI models, enabling fine-tuned conversations on different model strengths.. [Link]