NAMAN LAD

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EXPERIENCE

SARA - *Software Engineer Intern* — Jun 2024 – Aug 2024
Technologies: JavaScript, Typescript, React Native, Python, Flask, Git, Figma
- Streamlined practice flow of speech disorder app by revamping user interface and navigation, increasing user engagement by 20%
- Optimized task completion process by designing dropdown with pre-selected words, reducing user task completion time by 80%
- Engineered machine learning backend to analyze speech syllables with 85% accuracy, providing real-time feedback integration

Capgemini - *Senior Software Engineer* — Sep 2022 – Jul 2023
Technologies: Java, Spring Boot, JavaScript, Typescript, ReactJS, Docker, Kubernetes, AWS, EC2, Linux, Git
- Reduced unaddressed exceptions by 30%, refining edge case coverage for job portal app by integrating custom exceptions
- Achieved 90% task completion rate while leading a flight booking application by fostering cross-functional collaboration
- Minimized deployment time by 40% for job portal app on AWS with containerization leveraging Docker and Kubernetes

Crosscope - *Software Engineer Intern* — Oct 2021 – May 2022
Technologies: JavaScript, Typescript, HTML, CSS, Redux, ReactJS, Next.js, NestJS, Express, MySQL, Linux, Git
- Migrated 2000+ lines of JavaScript code to TypeScript, cutting down runtime errors by 50% and improving code maintainability
- Diminished server load by 15% by optimizing database indexing and queries while removing over 500 lines of redundant code
- Maintained 85% sprint goal completion by facilitating daily stand-ups and prioritizing tasks in the absence of product manager
- Simplified code complexity by 50% by evaluating state management solutions (Recoil, React Context) and implementing Redux

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EDUCATION

University of Southern California, Viterbi School of Engineering, Los Angeles, USA
Master of Science in Computer Science | 3.92 GPA — Expected Graduation: May 2025
Relevant coursework: Analysis of Algorithms, Database Systems, Web Technologies, Security Systems, Foundations of AI

Dwarkadas J. Sanghvi College of Engineering, Mumbai, India
Bachelor of Engineering in Computer Engineering — Aug 2018 – May 2022
Database Management Systems, Software Engineering, Human Machine Interaction, Data Structures and Algorithms

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PROJECTS

Movie Database Application (Link)
- Developed movie tracking app, allowing browsing movies, actor details, track favorite movies by connecting to TMDB API
- Improved page load times by 40% by implementing server-side rendering (SSR) and API caching for faster data fetching

Terminal Journal Application (Link)
- Created command-line extension for enhanced journal viewing by using Golang and Bubbletea framework with Elm architecture
- Incorporated date picker functionality, resulting in 50% decrease in date formatting errors and improving efficiency in navigation

Neovim Sessions plugin (Link)
- Generated plugin to enable users to manage and switch between editor sessions while adopting secure data storage of session info
- Improved workflow efficiency by 30% by utilizing other plugins to introduce intuitive filtering and editing of sessions

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SKILLS

Languages: TypeScript | Javascript | Java | Python | C++ | Golang | Lua
Frameworks: React | Next.js | React Native | Node.js | MongoDB | PostgreSQL | Flask | NestJS | Android Studio | Swift UI
Tools: AWS | Docker | Kubernetes | Git | Linux | Neovim | GCP | TailwindCSS | Figma | Ansible | Terraform | Jira
Concepts: Object-Oriented Programming | Agile Project Management | Cloud Computing | SEO

EXTRACURRICULARS & ACHIEVEMENTS

- Published paper in Springer Nature demonstrating significant advantages of graph databases over relational databases
- Led 7-month coding project, creating feature-rich graphs for inventory management app by incorporating 8 open-source packages
- Secured 4th place in USC hackathon while formulating front-end for a data science project focused on predicting disaster incidents
- Earned AWS Cloud Practitioner certification after completing two months of intensive, hands-on training and coursework