

# ADITI ARUN NADIG

+1 464-244-8440 | [aditiarunnadig@gmail.com](mailto:aditiarunnadig@gmail.com) | [LinkedIn](#) | [Github](#) | [Portfolio](#)

## EDUCATION

### University of Illinois at Chicago | Master's in Computer Science, Chicago, IL, USA

Software Engineering, Secure Web App Development, UI Designing, UX Research Methods, Distributed Systems

Aug 2024 – May 2026

4.00 GPA

### BNM Institute of Education | Bachelor's in Computer Science, Bengaluru, India

OOPS, DBMS, Computer Architecture, Computer Organization, Data Structures and Algorithms

Aug 2018 – July 2022

3.71 GPA

Been awarded with the titles – “Best Outgoing Student” and “Cultural Ambassador”

## WORK EXPERIENCE

### Oracle India Pvt Ltd | Cloud Analyst, Bengaluru, Karnataka, India

Aug 2022 – June 2024

- Data Structures and Algorithms:** Implemented and optimized algorithms for improved application performance and scalability, contributing to high-quality solutions in an enterprise environment.
- Collaboration in Agile Environment:** Worked within agile teams to iterate on development cycles, collaborating across functions to ensure timely solutions.
- Collaborative UI Lifecycle Management:** Led UI feature updates from ideation to validation, actively engaging with cross-functional teams to meet evolving client needs and ensure alignment with Oracle's design standards.
- Design Consistency:** Applied consistent branding and UI principles to custom client solutions, creating a cohesive user experience that aligned with Oracle's visual identity.
- Data-Driven Problem Solving:** Analyzed user data and implemented solutions based on insights to resolve nearly 100 product issues, increasing system stability and user satisfaction.
- Code Quality and Version Control:** Employed version control practices with Git, ensuring consistent code quality and maintaining deployment efficiency across multiple projects.
- Comprehensive Bug Resolution:** Identified and resolved nearly 100 bugs during the testing phase of Oracle Redwood Sales and Services modules, significantly enhancing product stability and reducing post-deployment issues by 40%.
- Award-Winning Impact:** Received the “Employee Recognition Award” for outstanding contributions to the HCM team by leading cross-functional support and driving project success.

### Softora Technologies | SDE Intern, Bengaluru, Karnataka, India

Aug 2021 – Sept 2021

- Web Design & UI Improvements:** Applied web design principles to enhance the company's website, resulting in a 15% increase in user engagement. Used Figma to prototype new layouts and gather team feedback.
- Team Collaboration:** Collaborated effectively with a team of interns to streamline project workflows, resulting in early project completion.
- Project Solutions:** Developed creative solutions for team challenges, improving task completion efficiency by 25%.

## TECHNICAL SKILLS

### Programming and Development

Python, Java, JavaScript, Typescript, HTML5, SCSS, CSS, ExpressJS, React, Astro, SQL, C, C++, Shell script, Flask Spring Boot, REST APIs, Git, Apollo GraphQL, Socket.io

### Cloud and DevOps

AWS (EC2, S3, DMS, ECS), Kubernetes, CI/CD, K6 (Load Testing), Redis Cache, Erasure Coding, Fault Tolerance, Docker Containers, SHA-256

### Databases, Tools and Platforms

PostgreSQL, MongoDB, MySQL, SQLite, Sequelize, Google Firebase, Firestore, Oracle - Redwood, VBS, VBCS, DCS, Fusion, Figma, Adobe Suite

### Concepts

UI/UX Design and Development, Wireframing and Prototyping, Distributed Systems and Architecture, Debugging, User Testing, Survey Design, Qualitative and Quantitative Analysis, Data Synthesis, Information Architecture, Personas, User Research, Design Thinking

## ACADEMIC PROJECTS

### Distributed Object Store with Integrity | University of Illinois at Chicago

Jan 2025 – present

- Fault-Tolerant Distributed Storage:** Implemented a multi-node storage system with erasure coding (Reed-Solomon) to recover lost data.
- Data Integrity Verification:** Used SHA-256 fingerprinting to ensure tamper-proof file storage and retrieval.
- Scalable Deployment with Docker:** Simulated distributed storage nodes using Docker containers for a scalable and resilient architecture.

### HabiTrack | University of Illinois at Chicago

Aug 2024 – Dec 2024

- User-Centered Design:** Developed a user-friendly habit-tracking app with data visualization, interactive reminders, and progress tracking using React. Used Figma for prototyping, incorporating user feedback to refine the interface, leading to a 30% boost in daily active users.
- User Research & Feedback Integration:** Conducted user research through surveys and interviews, gathering insights on habit-tracking behaviors to refine app features and increase daily active users by 30%.
- Data Synthesis & Visualization:** Developed data-driven visualizations for user habits, enabling users to track progress effectively and providing actionable insights for long-term engagement.

### Sweet Home Finder | University of Illinois at Chicago

Aug 2024 – Dec 2024

- Direct User Engagement:** Facilitated pet adoption inquiries with real-time chat features, achieving a 25% increase in user satisfaction scores.
- Recommendation Algorithms:** Collaborated on integrating pet recommendation algorithms, improving adoption matching accuracy.
- Deployment Leadership:** Led end-to-end deployment, ensuring 99.9% application uptime and enhancing user experience.

### MediCARE App for Parkinson's Disease Detection | BNM Institute of Technology

Aug 2021 – June 2022

- Innovative Machine Learning:** Spearheaded the development of an app using CNN and SVM algorithms for Parkinson's detection with 91.3% accuracy in voice analysis and 84.67% in handwriting analysis.
- Award-Winning Presentation:** Presented at the International Conference on Engineering Innovations, winning the “Best Project Presentation Award.”
- Impactful Research:** Published findings, emphasizing the app's potential for early Parkinson's detection, received high recognition from industry experts.