

# DHRUVIL CHODVADIYA

**Mobile:** +1 (682)340-0085 | **Email:** dhruvac29@gmail.com | **Portfolio:** dhruvil.vercel.app

**LinkedIn:** @dhruvil-chodvadiya | **GitHub:** @dhruvac29

## Education

**University of Texas at Arlington**

*Master of Science in Computer Science*

**August 2023 – May 2025**

*Arlington, Texas*

**Dharmsinh Desai University**

*Bachelor of Science in Information Technology*

**August 2018 – May 2022**

*Nadiad, Gujarat, India*

## Technical Skills

**Languages:** Python, Java, JavaScript, C/C++, HTML/CSS, SQL

**Tools:** Git, MySQL, SQLite, MongoDB, Postgres, Firebase, Android Studio

**Technologies/Frameworks:** Spring Boot, React, NodeJS, Django, Angular, Redux, ASP.NET, .NET Core

## Experience

**University of Texas at Arlington**

*Research Assistant*

**Jun 2024 – Present**

*Arlington, Texas*

- Built ML platforms: Cohort Network for collaborative learning and Ecotoxicity for environmental hazard predictions.
- Developed a cancer diagnostic system with Neural Networks, improving accuracy by 35%.
- Leading ML research on automated chemical compound detection.

**Hornbook Technologies PVT. LTD.**

*Software Engineer - 2*

**May 2024 – Aug 2024**

*Ahmedabad, India*

- Designed scalable microservices with Node.js and React, increasing efficiency by 40%.
- Mentored junior engineers, improving code quality by 25% through reviews and collaboration.
- Architected AWS solutions with ECS and CI/CD, reducing deployment time by 30% with 99.9% uptime.

**Hornbook Technologies PVT. LTD.**

*Software Engineer*

**May 2022 – April 2024**

*Ahmedabad, India*

- Developed 5+ full-stack applications using React, Node.js, and MongoDB, serving 100K+ daily users.
- Engineered real-time data synchronization using WebSocket, improving user experience by 60%.
- Optimized database queries and implemented caching strategies, reducing server load by 35%.

**Space Application Center, ISRO**

*Research and Development Intern*

**December 2021 – April 2022**

*Ahmedabad, India*

- Analyzed Martian datasets (OpenMARS, EMARS, ISCA) to improve atmospheric model accuracy by 20%.
- Used Python libraries to create stereographic charts, boosting windstorm analysis efficiency by 30%.

**Hornbook Technologies PVT. LTD.**

*Software Engineer Intern*

**Jan 2021 – Jun 2021**

*Ahmedabad, India*

- Built responsive front-end components using React.js and Material-UI, improving mobile engagement by 40%.
- Developed RESTful APIs using Spring Boot, handling 1000+ concurrent user requests efficiently.
- Created automated CI/CD pipeline using Jenkins, reducing deployment time by 50%.

## Projects

**CareerConnect** | *Spring Boot, Java, MongoDB, React*

- Engineered a comprehensive job platform using Spring Boot and React, facilitating seamless connections between employers and job seekers through advanced matching algorithms.
- Implemented robust search functionality with filters and tags, achieving 45% improvement in job-candidate matching.
- Developed secure authentication system using Spring Security and JWT, leading to 80% user engagement.
- Optimized MongoDB queries and implemented Redis caching, reducing average page load time by 40%.

**Charity Miles** | *React Native, Firebase, Node.js, Express.js*

- Developed a mobile application connecting donors with receivers, facilitating seamless donation management and tracking.
- Implemented real-time donation tracking and secure payment gateway, processing over \$10K in donations.
- Integrated geolocation services to connect local donors and receivers, increasing successful donations by 65%.
- Built admin dashboard for NGOs to manage donation campaigns and track impact metrics.