

# Priya Dobariya

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## Education

### University of Alabama at Birmingham

Master of Science in Computer Science

Birmingham, AL

August 2023 - May 2025

### Uka Tarsadia University

Bachelor of Technology in Information and Communication Technology

Surat, Gujarat

July 2018 - April 2022

## Skills

- **Programming & Mobile Development:** C++, Python, Java, Kotlin, Dart, Swift, Android (Jetpack Compose, XML), Flutter, ADB, MVVM
- **Databases & Backend:** MySQL, PostgreSQL, Firebase, Room Database, Paper Database, RESTful APIs, JSON
- **Version Control, DevOps & Cloud:** Git, GitHub, GitLab, Jenkins, Docker, Firebase, CI/CD, Agile, Jira, Scrum
- **UI/UX & Data Science:** Figma, MATLAB, NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch
- **Tools, IDEs & Soft Skills:** Android Studio, Xcode, VS Code, IntelliJ IDEA, Eclipse, Problem-solving, Teamwork, Leadership, Communication, Time Management.

## Certifications

- Artificial Intelligence A-Z(Udemy) | Python Workshop (UTU)

## Professional Experience

### Quad SoftTech

Surat, Gujarat

#### Senior Android Developer

July 2022 - July 2023

- Contributed to **7 new mobile apps**, ensuring compliance with client requirements and quality standards.
- Revamped outdated applications to modern standards, improving functionality and user experience.
- Played a key role in building a Flutter-based app, which became a core component of the application suite and has amassed over **5K downloads** to date
- Conducted **end-to-end testing** on 12 applications to ensure seamless performance before release.
- **Mentored junior developers** in adopting Flutter while leading **cross-platform app** projects.
- Streamlined team collaboration using **Git**, enhancing **version control** and reducing errors.

### Quad SoftTech

Surat, Gujarat

#### Junior Android Developer

December 2021 - June 2022

- Developed and deployed 8 mobile apps using **Java** and **Android**, **increasing user engagement by 50%** and **reducing app crashes by 95%**.
- Learned and implemented **Flutter** to support the company's transition to **cross-platform development**.
- Integrated 10 **APIs** and optimized **JSON** data processing for enhanced performance.
- Enhanced app reliability by implementing offline capabilities using **Shared Preferences** and **SQLite**.
- Improved user retention by integrating **Firebase push notifications**.

## Academic Projects

### Digit Classification with CNNs on SVHN Dataset

- **Objective:** Developed a CNN model to classify digits (0-9) in street view house numbers from the SVHN dataset.
- **Model Design:** Architected a deep CNN with 5 convolutional layers, achieving a model accuracy of over 95%.
- **Training:** Applied data augmentation, batch normalization, and dropout techniques, improving model performance by 15% compared to baseline results.
- **Evaluation:** Successfully deployed the model, processing real-time digit classification with a latency of less than 100 milliseconds.

### Recipe App with Multinational Cuisine Support

- **Objective:** Designed a mobile application supporting over 20 different cuisines and 100+ unique recipes.
- **Key Features:** Enabled global cuisine filters, dietary preference options, recipe saving functionality, and ingredient-based search capabilities, resulting in a user engagement increase of 40% post-launch.
- **Technologies:** Utilized Flutter, Android(Java), Dart, JSON, and RESTful APIs

### Photo Editor App

- **Objective:** Created an advanced photo editing application offering 10+ customization features.
- **Key Features:** Incorporated functionalities for adding frames, backgrounds, filters, and brightness adjustments, with user preference saving that led to a 30% increase in user retention.
- **Technologies:** Android (Java), XML, Image Processing, SQLite, Camera/Gallery Integration.