

Krupali Dobariya

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TECHNICAL SKILLS

Languages: Java, Python, C, C++, SQL, JavaScript, HTML, CSS, Swift, Objective C, Dart
Frameworks: React, Flask, JUnit, Android, Material-UI, Flutter
Developer Tools: Git, Google Cloud Platform, VS Code, PyCharm, IntelliJ, Eclipse, Google Colab, Xcode
Libraries: pandas, NumPy, Matplotlib, Scikit-learn, nltk, tkinter
Database: Postgres, Firebase

EXPERIENCE

Software Developer

June 2022 – Sept 2023

Silver Sky Technology

Ahmadabad, India

- Developed a cross-platform mobile application using Flutter and iOS native (Swift), collaborating within an Agile team to rapidly deliver new features. Improved user engagement by 30% through interactive UI components, seamless navigation, and push notification integration for real-time updates.
- Led enhancements and deployments for internal systems, minimizing system downtime.
- Enhanced user interface design to increase usability and navigation, resulting in a 25% increase in user satisfaction scores.
- Collaborated with backend teams to integrate RESTful APIs and optimize data handling, reducing API response times by 15%.

Programmer Analyst Intern

Dec 2021 – May 2022

Meditab Software India Pvt. Ltd.

Ahmadabad, India

- Assisted in UI/UX design for data collection projects using Figma, ensuring compatibility with iOS (Swift) and Objective-C frameworks. Reduced design-to-development time by 20%.
- Managed databases with Firebase schemes throughout the SDLC, enhancing data retrieval efficiency by 20%.
- Implemented iOS components such as custom views, controllers, and gestures, improving app functionality and user experience.

Data Science and Business Analyst

Jan 2021 – Feb 2021

The Sparks Foundation

Remote

- Transformed and visualized data using Pandas, NumPy, and Matplotlib, reducing data processing time by 30%.
- Implemented unsupervised machine learning techniques to uncover data patterns, increasing pattern recognition accuracy by 15%.
- Executed K-Means clustering for predictive modeling, classification tasks and increasing prediction accuracy.
- Used machine learning algorithms to forecast data results and trends, improving forecast reliability.

EDUCATION

Concordia University

Montreal, Canada

Master of Applied Computer Science

Jan 2024 – Present

Charusat University

Anand, India

Bachelor of Technology - Information Technology

July 2018 – May 2022

PROJECTS

Call Management System | *Android, Java, HTML, CSS*

Jun 2021 – July 2021

- Created and integrated an Employee module within the Android app, reducing management time and designed scalable and efficient APIs using RESTful principles for data management and to improving data handling speed.
- Added features for performance reviews, attendance tracking, and employee profile management, enhancing operational efficiency by 20%.

Resume Builder | *Flutter, Firebase, Dart*

Jan 2021 – May 2021

- Developed a Flutter application to streamline resume creation for professionals, reducing creation time.
- Designed UI using Dart to gather user career information and incorporated various templates tailored to different job types, enhancing user satisfaction.

Crime Detection | *Python, Machine Learning*

Aug 2020 – Dec 2020

- Engineered a model to predict crime based on location, crime count, and timestamps, achieving a 75% prediction accuracy.
- Trained and tested the model using past crime records, improving model reliability by 15%.
- Utilized Random Forest Classifier from sklearn for model classification, enhancing classification accuracy by 20%.

E-Book Dictionary | *Python, nltk, tkinter*

Jan 2020 – July 2020

- Established a GUI-based eBook reader with dictionary functionality, allowing users to look up word meanings and synonyms using natural language processing definitions, reducing reading difficulty.
- Incorporated Tkinter for the graphical interface and used NLTK for text analysis, enhancing reading comprehension.