Rebecca Dsouza

✉ rcdsouza@scu.edu   in LinkedIn   🌐 Portfolio   ⚫ github.com/rebeccad71011

EDUCATION

- **Santa Clara University**   California, USA
  Master of Science in Computer Science and Engineering   *Sept 2023 – June 2025 (Expected)*
  - Relevant Courses: Design and Analysis of Algorithms, Distributed Systems, Advanced Project Management.

- **University of Mumbai**   Mumbai, India
  Bachelor of Engineering in Information Technology   *Jun 2017 – Jun 2021*
  - Relevant Courses: Advanced Data Structures, Operating Systems, Project Management.

EXPERIENCE

- **EPIC Laboratory @ Santa Clara University**   CA, USA
  Student Android Application Developer   *Sep 2023 - Present*
  - Developing an **Android** application using Kotlin, designed to guide users towards sustainable shopping by providing immediate access to environmental impact information through barcode scanning.

- **Accenture**   Mumbai, India
  Software Engineer   *Jun 2021 - Jul 2023*
  - Developed custom Lightning components within an **Agile** SDLC using Javascript and **Salesforce Lightning Design System**, enabling over **200 clients** to tailor their web applications to unique use cases.
  - Created complex **SQL** queries that streamlined data retrieval and processing, improving system speed and efficiency resulting in a reduction of record outcome processing time from **5 seconds to <= 2 seconds**.
  - **Winner** of Accenture's **Innovation Contest** for designing Apex triggers that automated data cleanup and reduced the data cleanup time by **80%.**
  - Directed **4 product launches** with robust deployment strategies, resolving **Copado CI/CD** pipeline issues to ensure uninterrupted releases.
  - Worked with Accenture **Leadership** using **LWC** to develop a solution for for dynamic visual tracking of feature releases and deadlines, and **automated** the creation of personalized newsletters for executive communication.
  - Played a key role in providing **production support** during feature releases, ensuring seamless operations and successful deployment of over **15 major releases.**

PROJECTS

- **Un-barrier: Sign language recognition**: A web-based video calling app that uses SimplePeer (WebRTC), TensorFlow.js, and ml5.js to enable conversations between people with disabilities and able-bodied people.
- **Shesafe**: A woman safety application for Android devices built with Java to enable a person to broadcast GPS location co-ordinates, surrounding image and emergency message to select contacts.
- **Salesforce Cleanup Tool**: Ideated and implemented a tool at Accenture to automate org wise storage cleanup that automated a labor-intensive 2-hour database cleanup process into a single-click operation. Integrated ConnectedApp to enable code re-usability across a multi-tier architecture.
- **Campus Placement Prediction**: Developed utilizing Machine Learning Algorithms like Gradient Boosting and data science libraries - Pandas, NumPy, and Scikit-Learn. Performed data preprocessing, feature engineering, and predictive modeling to forecast successful job placements for graduating students. Achieved a prediction accuracy of 86% through extensive testing and validation.

TECHNICAL SKILLS

- **Languages**: Javascript, Apex, Java, Python, SQL.
- **Technologies**: Copado CI/CD, Git, Figma, React, TensorFlow, Scikit-learn, Microsoft Office, ServiceNow.

LEADERSHIP AND ACHIEVEMENTS

- Received project-wide **recognition awards** from Accenture in January 2022, May 2022 and January 2023.
- Brown Bag Sessions **Team Lead** at Accenture 2022- 2023.
- **Chairperson** at the Association for Computing Machinery (ACM - Fr. CRCE) 2020- 2021.
- **Teaching Volunteer** Rotaract Club's Bigger Than Life NGO 2019.