

# Shubham Bhagat

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## EDUCATION

**Indiana University**, Bloomington, Indiana  
*Master of Science in Computer Science*

Aug 2021 – May 2023  
3.55 GPA

**University of Mumbai**, Mumbai, India  
*Bachelor of Engineering in Computer Engineering*

Aug 2017 – Oct 2020  
3.66 GPA

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, PHP, SQL, HTML5, CSS3

**Databases:** MySQL, PostgreSQL, MongoDB, DynamoDB, Redis, SQLite

**Frameworks:** ReactJS, NextJS, Spring Boot, React Native, Flutter, JUnit, Hibernate, MuleSoft, Bootstrap

**Tools/Technologies:** Git, GitHub, Maven, AWS (S3, Lambda), Postman, Docker, RESTful APIs, jQuery, AJAX, JWT

**Certifications:** Oracle Certified Associate Java Programmer, MuleSoft Level-1 Developer

## EXPERIENCE

### System Analyst - Graduate Assistant

*University Graduate School - Indiana University*

April 2022 – present  
Bloomington, Indiana

- Migrating the existing graduate application system to Fireform and integrating Fireform with Salesforce CRM.
- Created 10+ REST APIs in PHP to handle AJAX calls from Fireform and optimized complex SQL queries to store and retrieve data thereby reducing API response time by **23%**.
- Handled critical production failure by performing backup and update of Machforms to support PHP version 8.0; recovered the system in **4** hours which served vital business KPI.
- Managed and supported graduate application workflow by resolving 20+ critical and high-priority JIRA tickets.

### Associate Instructor

*Indiana University Bloomington*

Jan 2022 – May 2022  
Bloomington, Indiana

- Mentored 30+ students to develop a real-world full-stack application following Scrum methodology.
- Evaluated MVP of teams for each sprint and provided constructive feedback for improvements.

### Application Development Associate

*Accenture*

Jan 2021 – June 2021  
Mumbai, India

- Automated data integration between Newgen and Salesforce system by developing REST APIs for redirecting trade exceptions to appropriate handlers; reduced man-hours by **72%**.
- Improved code quality and stability by writing MUnit Tests and SonarQube quality checks; ensured **80%** code coverage.
- Developed 8+ System APIs using MuleSoft to extract data from CSV files, databases, and SOAP web service.
- Orchestrated data processing and filtering by writing Process APIs to transform XML data into JSON objects.

## PROJECTS

**Readify** | *ReactJS, Material UI, Python, Flask, MySQL, Heroku, Figma*

Jan 2022 – April 2022

- Led a team of 4 to build a platform for users to explore books, create book lists, and generate book recommendations.
- Processed raw book data for **300k+** book records and built a content-based book recommendation system using features such as title, genre, author, and rating.
- Assisted team members to optimize recommendation algorithm resulting in **86%** reduction in response time.

**RentALL** | *Java, HTML5, CSS3, JavaScript, jQuery, Bootstrap, MySQL, AWS S3*

Sept 2021 – Dec 2021

- Spearheaded a team of 3 to engineer a rental and advertisement platform involving OAuth, product filtering, textual search, chatbot, chat messaging, and recommendation system.
- Utilized Google Maps API to display product location and Web Speech API to implement voice-activated search.
- Strategized sprint planning, backlog refinement, user stories management, and team meetings as a Scrum Master.
- Facilitated team members to deploy the web app on Heroku and configured **AWS S3** Bucket to store product images.

**Happy Gramps** | *Flutter, Dart, SQLite, Figma*

Jul 2019 – Mar 2020

- Managed a team of 2 to construct an android application that addresses the safety needs of senior citizens.
- Redesigned algorithm to use smartphone's gyroscope and accelerometer to compute threshold values for fall detection.
- Leveraged flutter's geocoder library to notify emergency contacts about the user's current location.