

# Shubham Bhagat

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## EDUCATION

<b>Indiana University</b> , Bloomington, Indiana <i>Master of Science in Computer Science</i>	Aug 2021 – Dec 2022 3.55 GPA
<b>University of Mumbai</b> , Mumbai, India <i>Bachelor of Engineering in Computer Engineering</i>	Aug 2017 – Oct 2020 3.66 GPA

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, PHP, SQL, HTML, CSS  
**Databases:** MySQL, PostgreSQL, MongoDB, Redis  
**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

<b>System Analyst - Graduate Assistant</b> <i>University Graduate School - Indiana University</i>	April 2022 – present <i>Bloomington, Indiana</i>
<ul style="list-style-type: none"><li>• Migrating the existing graduate application system to Fireform and integrating Fireform with Salesforce CRM.</li><li>• Created 10+ REST APIs in PHP to handle AJAX calls from Fireform; stored and retrieved data using MySQL database.</li><li>• 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.</li><li>• Managed and supported graduate application workflow by resolving 20+ JIRA tickets.</li></ul>	

<b>Associate Instructor</b> <i>Indiana University Bloomington</i>	Jan 2022 – May 2022 <i>Bloomington, Indiana</i>
<ul style="list-style-type: none"><li>• Mentored 30+ students to develop a real-world full-stack application following Scrum methodology.</li><li>• Evaluated MVP of teams for each sprint and provided feedback for improvements.</li></ul>	

<b>Application Development Associate</b> <i>Accenture</i>	Jan 2021 – June 2021 <i>Mumbai, India</i>
<ul style="list-style-type: none"><li>• Automated data integration between Newgen and Salesforce system by developing REST APIs for redirecting trade exceptions to appropriate handlers; reduced man-hours by <b>72%</b>.</li><li>• Improved code quality and stability by writing MUnit Tests and SonarQube quality checks; ensured <b>80%</b> code coverage.</li><li>• Developed 8+ System APIs using MuleSoft to extract data from CSV files, databases, and SOAP web service.</li><li>• Orchestrated data processing and filtering by writing Process APIs to transform XML data into JSON objects.</li></ul>	

## PROJECTS

<b>Readify</b>   <i>React JS, Python, Flask, MySQL, Heroku, Figma</i>	Jan 2022 – April 2022
<ul style="list-style-type: none"><li>• Led a team of 4 to build a platform for users to explore books, create booklists, and generate book recommendations.</li><li>• Processed raw book data containing 300k+ book records using Pandas; exported the data in CSV format and utilized MySQL database for data storage.</li><li>• Assisted team members to optimize recommendation algorithm resulting in <b>86%</b> reduction in response time.</li></ul>	

<b>RentALL</b>   <i>Java, HTML, CSS, JavaScript, jQuery, Bootstrap, MySQL, AWS S3</i>	Sept 2021 – Dec 2021
<ul style="list-style-type: none"><li>• Spearheaded a team of 3 to engineer a rental and advertisement platform involving OAuth, product filtering, textual search, chatbot, chat messaging, and recommendation system.</li><li>• Utilized Google Maps API to display product location and Web Speech API to implement voice-activated search.</li><li>• Orchestrated sprint planning, backlog refinement, user stories management, and team meetings as a Scrum Master.</li><li>• Facilitated team members to deploy the web app on Heroku and configured AWS S3 Bucket to store product images.</li></ul>	

<b>Happy Gramps</b>   <i>Flutter, Dart, SQLite</i>	Jul 2019 – Mar 2020
<ul style="list-style-type: none"><li>• Managed a team of 2 to construct an android application that addresses the safety needs of senior citizens.</li><li>• Redesigned algorithm to use smartphone's gyroscope and accelerometer to compute threshold values for fall detection.</li><li>• Leveraged flutter's geocoder library to notify emergency contacts about the user's current location.</li><li>• Integrated priority-based note keeper, to-do task, and medicine reminder to aid senior citizens suffering from dementia.</li></ul>	