

Shubham Bhagat

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EDUCATION

Master of Science in Computer Science, Indiana University Bloomington	Aug 2021 – May 2023
Courses: Database Technologies, Software Engineering, Applied Algorithms, Artificial Intelligence	3.55 GPA
Bachelor of Engineering in Computer Engineering, University of Mumbai	Aug 2017 – Oct 2020
Courses: Operating Systems, Computer Networks, Database Systems, OOP, Distributed Systems	3.66 GPA

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, PHP, SQL, HTML5, CSS3
Databases: MySQL, PostgreSQL, MongoDB, AWS DynamoDB, Redis
Frameworks: React.js, Next.js, Spring Boot, React Native, JUnit, Hibernate, Flask
Technologies: Git, GitHub, AWS(S3, Lambda), Postman, Docker, jQuery, JWT
Certifications: Oracle Certified Associate Java Programmer, MuleSoft Level-1 Developer

PROFESSIONAL EXPERIENCE

Systems Analyst - Graduate Assistant, Indiana University	May 2022 – present
<ul style="list-style-type: none">Migrating the existing graduate application system to Fireform and Salesforce CRM thereby streamlining the application process for 90,000+ students and employees across two Indiana University campuses.Developing REST APIs in Java Spring Boot to handle AJAX calls from Fireform and store/retrieve data from database.Automated audit report generation by writing Python script using Pandas to perform data filtering, transformation, and aggregation over datasets containing 200k+ rows resulting in 80% reduction in person-hours.Building a dashboard using React.js and Chart.js to visualize the audit reports and facilitate statistical analysis.Handled a critical production failure in 4 hours by performing a backup and updating Machforms to support PHP version 8.0; thus ensuring system availability and serving a vital business KPI.	
Associate Instructor, Indiana University	Jan 2022 – May 2022
<ul style="list-style-type: none">Mentored 30+ students to develop a real-world full-stack application following Scrum methodology.Conducted sessions on plan-driven and Agile approaches, MVC, microservices, and concurrency in Agile process.	
Application Development Associate, Accenture	Jan 2021 – June 2021
<ul style="list-style-type: none">Automated data integration between Newgen and Salesforce system by developing REST APIs using MuleSoft for redirecting trade exceptions to appropriate handlers; reduced person-hours by 72%.Developed 8+ System APIs to extract data from databases and SOAP web services; published them as shared modules on Anypoint Exchange to expedite development.Improved code quality and stability by writing MUnit tests to ensure 80% code coverage on SonarQube.	

ACADEMIC PROJECTS

Glimpse <i>React Native, Alan AI, JavaScript, NewsCatcher-API</i>	Sept 2022 – Nov 2022
<ul style="list-style-type: none">Developed a voice-assisted news application using React Native to deliver narrated news articles.Integrated an AI-powered voice assistant to fetch, read and open articles based on the user's voice command.Leveraged Alan AI platform to design the voice dialog by writing custom scripts for speech intent and inference.Utilized NewsCatcher-API to retrieve news articles based on filters such as keywords, category, and article source.	
Readify <i>React.js, Material UI, Python, Flask, MySQL, Machine Learning</i>	Jan 2022 – April 2022
<ul style="list-style-type: none">Led a team of 4 to build a platform for users to explore books, create book lists, and get book recommendations.Engineered the frontend using React.js, and backend REST APIs using Python's Flask Framework; leveraged Figma for UI prototyping, and Material UI for creating a responsive layout.Processed raw book data for 300k+ book records using Pandas to build 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 <i>Java, HTML5, CSS3, JavaScript, jQuery, Bootstrap, MySQL, AWS S3</i>	Sept 2021 – Dec 2021
<ul style="list-style-type: none">Spearheaded a team of 3 to engineer a full-stack web application to offer rental and advertisement services.Integrated various features such as OAuth, product filtering, voice-activated search, Google Maps API, and chatbot.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.	