

# Rishabh Rajmal Jain

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## EXPERIENCE

- Software Engineer II | Sallie Mae, Indianapolis, IN

June 2025 — Present

  - Developed scalable backend features in **Apex**, including triggers, test cases, and implementing complex **Experience Cloud** configurations.
  - Updated internal Wikis and technical documentation to support AEM onboarding and improve team-wide architecture understanding.
  - Collaborated cross-functionally with product and design teams, raised concerns early, and supported peers through pair programming.
- Associate Engineer | Sallie Mae, Indianapolis, IN

July 2024 — June 2025

  - Led front-end development for **2k Sweeps** using **Svelte** and **Less.js**, building reusable **AEM components** and integrating them seamlessly.
  - Reduced CSS footprint by 40% by migrating legacy styles to LESS, improving maintainability and reusability in a multi-repo architecture.
  - Migrated **Prequalify** UI components to **Salesforce LWC**, ensuring consistency with Figma designs and improving accessibility standards.
- Research Assistant | HCI Lab, University of Delaware, Newark, DE

June 2023 — June 2024

  - Built a **mixed reality simulation** in **Unity** to train poultry responders on emergency **foam depopulation**, enabling immersive practice and reducing training time by 50%.
  - Led the **end-to-end development lifecycle**—from on-site research and asset creation to simulation scripting and deployment - collaborated with cross-functional teams in **agriculture, veterinary science, and computer science**.
  - Contributed to a **USDA-endorsed initiative** advancing just-in-time emergency preparedness training, supporting broader applications in the animal agriculture industries.
- Software Engineer Intern | TabulaRasa Health Care Inc., Philadelphia, PA

June 2023 — Aug 2023

  - Reduced troubleshooting time and improved efficiency by automating data migration tasks with shell and bash scripts on cloud servers.
  - Streamlined operations by analyzing and resolving **500+** legacy tickets, enhancing system performance and user experience.
- Data Engineer | Larsen & Toubro Infotech Limited, Mahape, Mumbai

Aug 2020 — Jul 2022

  - Built data pipelines using DataFlow to extract, transform, and load data from multiple source systems into BigQuery.
  - Worked extensively on File Ingestion (.PSV), to load it into Google BigQuery. Orchestration of the ETL pipeline using Airflow Dags in Python.
  - Writing complex SQL queries in BQ using joins functions, and different statements in which transformations are handled.
- Freelance Software Engineer | Algocean Technologies Pvt Ltd, Mumbai

May 2020 — Jun 2022

  - Designed seamless integration of REST APIs, resulting in a remarkable 30% reduction in loading time, enhancing user experience.
  - Successfully implemented a portfolio of **20+ applications** on both the Apple and Google Play Stores, collectively accumulating an impressive 500K downloads, showcasing the tangible market impact and user adoption.

## PROJECTS

- Virtual Yoga Instructor App| Android Studio, Python

Feb 2024

  - Created and validated a training set for the K-NN classifier, tested it on samples, and exported it to a CSV that can be used in the app. The training accuracy of the TFlite model generated was found to be around **84%** when the model was trained for **20 poses**.
- Sudoku Puzzle Solver | Python, Flutter Web

May 2023

  - Created a Sudoku puzzle-solving AI game utilizing a backtracking search for Constraint Satisfaction Problems (CSPs) and implemented the AC3 algorithm. [https://github.com/jainnrishabh/Sudoku\\_Puzzle\\_Flutter\\_Web](https://github.com/jainnrishabh/Sudoku_Puzzle_Flutter_Web)
  - Outlined the user interface using Flutter web to enable seamless input and solution of custom puzzles.
- Cryptocurrency Price Forecasting | Python, TensorFlow, Numpy, Pandas, Matplotlib

Dec 2022

  - Collaborated with a team of three to develop neural networks for predicting cryptocurrency prices through an ablation study.
  - Conducted experiments on different numbers of LSTM layers and 1D-CNN with LSTM layers, using a range of hyperparameters.
  - Additionally, we found that the 1D-CNN with LSTM architecture could be effective in cases where additional data input streams, such as current news, are available.
- Swechchha - Swachh Survekshan | Flutter, MongoDB, NodeJS

Sept 2022

  - Crafted a full-stack mobile app to address public toilet usage issues, leading a team of **15 developers** in collaboration
  - Documented **300+ user stories**, guided the team in module design and development, and resolved problems faced by users
  - Developed a mobile app to address public toilet usage issues, while collaboration and guiding a team of **15 developers**.

## SKILLS

Languages	Java, Apex, ES6, C/C++, Python, SQL, JavaScript, Dart, HTML/CSS, Visualforce
Frameworks	Salesforce, ReactJs, React Native, Svelte, Node.js, Flutter, Docker, Kubernetes
Databases	Oracle DB, PostgreSQL, MySQL, Amazon DynamoDB, MongoDB, Google Firebase, NoSQL, BQ, Dags, StoreProc
Cloud & Tools	AWS, GCP, Postman, Github, Unity, QlikSense, JIRA, Clickup, CI/CD, Xcode

## EDUCATION

- Master of Science - Computer Science | University of Delaware, Newark, DE | GPA: 3.9/4

Aug 2022 — May 2024
- Bachelor of Technology - Information Technology | K.J Somaiya College of Engineering, Mumbai | GPA: 8.09/10

Aug 2017 — Oct 2020