

Aratrika Mukherjee

+1 (647)-616-4757 | aratrika.mukherjee26@gmail.com | [linkedin/aratrika-mukherjee](https://www.linkedin.com/in/aratrika-mukherjee) | [github/aratrika1996](https://github.com/aratrika1996)

TECHNICAL SKILLS

- **Scripting Language** : HTML5, CSS3, JavaScript, TypeScript, Kotlin, Swift, Solidity, Python
 - **Framework/Libraries** : Bootstrap, Flask, jQuery, Node.js, Express.js, Handlebars, Jinja2, React, Vue.js, React Native
 - **Database** : MongoDB, PostgreSQL, Firestore
 - **Testing** : Mocha, Chai.js
 - **Tools** : GIT, Insomnia, Heroku, Vercel, Google Cloud Platform
 - **Other** : Figma, Sketch, Adobe XD, Pencil, Prezi, Adobe Premiere Pro, Wordpress, Squarespace
-

EDUCATION

- **Post Graduate Certificate in Mobile Applications Development** Sep 2022 - Aug 2023
George Brown College, Toronto, ON
 - **Master of Computer Science** Sep 2016 - Aug 2018
St. Xavier's College, Kolkata, India
-

PROFESSIONAL EXPERIENCE

Full-Stack Web Developer | red·dev Inc., Wyoming, US Jul 2020 - Mar 2022

- Developed and maintained 3+ highly scalable and user-friendly web applications for a decentralized project "FundRaisin" using React JS, TypeScript, Node JS, HTML5, CSS3, GCP, resulting in a 30% increase in user engagement.
- Redesigned the UI of an existing real-estate website "Urban Ithaca" using Bootstrap4, HTML5, CSS3 and developed the backend logic using Flask (with Jinja2 template) and PostgreSQL. Implemented search and filtering functionalities which resulted in 67% increment in property bookings.
- Designed and developed a responsive portfolio website using WordPress to showcase company's services and increase online visibility.
- Conducted code reviews and implemented best practices for code quality, performance, and security, reducing bug rates by 20%.
- Discussed project progress, collected feedback at different stages and directly addressed concerns.
- Leveraged agile methodologies and tools such as Odoo, and Git to manage projects, track progress, and communicate with other team members.

Front-End Web Developer | Nimba Inc., Ithaca, NY Jan 2020 - Jun 2020

- Redesigned and enhanced the website of a major client, Suma, using Squarespace, resulting in a modern, user-friendly design that improved overall website traffic by 25%.
- Provided technical support and training to the client on Squarespace and website management best practices.
- Collaborated with the design team to develop a new portfolio website for Nimba Inc. using WordPress, resulting in increased brand recognition and awareness.
- Conducted regular website maintenance and updates to ensure optimal performance, security, and compatibility with the latest web standards and technologies.

- Conducted comprehensive analysis of existing operational processes, identified areas for improvement, and implemented process improvements that resulted in a 25% increase in efficiency.
 - Maintained and updated operational documentation, including standard operating procedures, work instructions, and process flows, to ensure accuracy and compliance with regulations.
 - Provided training and support to team members on operational processes, policies, and procedures to improve overall performance and compliance.
-

ACADEMIC PROJECTS

Yard Sale App [[GitHub](#)] | George Brown College, Toronto, ON

- Developed an Android app using Kotlin and Firebase, enabling users to easily buy and sell used items in their local community.
 - Collaborated with a team member to define project requirements, create user stories, and design wireframes and mockups for the app.
 - Designed and implemented the app's UI/UX ensuring a seamless user experience and intuitive navigation.
 - Integrated Firebase for real-time data synchronization, user authentication, and database management, ensuring the app's security and scalability.
 - Conducted comprehensive testing and debugging to ensure the app's functionality and performance, and addressed any issues or bugs identified.
-

ACHIEVEMENTS

- Participated and won the Avalanche Developer Tutorial Contest 2022 as a part of red-dev team.
- Participated and won the Avalanche Developer Tutorial Contest 2021 as a part of red-dev team.
- Participated in Chainlink Virtual Hackathon Spring 2021 with the red-dev team and won Avalanche 2nd place prize.