

BARKAT SINGH

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EDUCATION

University of Toronto

Sep 2019 – Aug 2024

HBSc: Applied Mathematics Major, Communication, Culture, & Information Technology (CCIT) Major Mississauga, Canada

TECHNICAL SKILLS

Languages: Python, JavaScript ES6, TypeScript, Java, HTML/CSS, MongoDB, MySQL

Frameworks: Node.js, Express.js, Next.js, React.js, Bootstrap, jQuery

Developer Tools: git, npm, GitHub Actions, MySQL, Figma, Adobe CC, Postman, Firebase, GCP

EXPERIENCE

Project Lead

Oct 2023 – May 2024

UofT Web Dev Club – UofT

Mississauga, Canada

- Supervised **cross-functional teams** in the successful **delivery of 2 full-stack projects** by devising **comprehensive project plans, incorporating milestones, & deliverables** to ensure successful execution.
- Supported team members with **conflict resolution** in weekly (group or one-on-one) meetings which **amplified productivity** and **boosted morale** by **24%** each project lifecycle.

Web Developer & Designer

Sep 2022 – May 2023

Humber College North

Etobicoke, Canada

- Engineered the production and development of **responsive full-stack web applications** using **front-end & back-end technologies** like **HTML/ CSS + JavaScript, jQuery, MySQL, Node.js, Express.js & Bootstrap**.
- Spearheaded project teams by organizing **coding sprints** and **daily SCRUMs** to **maintain project progress and ensure deadlines** were met.
- Designed **UI/UX components** and architected **application wireframes** using tools like **Adobe XD & Figma** to acquire **iterative stakeholder feedback**.
- Integrated **Firebase & GCP** for better data storage utilization and to maneuver **external APIs** to obtain datasets and implement features such as **geolocation, user authentication, and authorization**.

Junior Software Engineer Intern

May 2021 – Jul 2021

Jupitice – AEREN IT Solutions

Chandigarh, India

- Collaborated with cross-functional teams to **conduct user testing and feedback** for continuous website enhancements, resulting in **19.6% reduction** in bounce rate.
- Translated design briefs into **efficient code**, performed **bug-fixes, handled errors, refactored code** and **deployed multiple features**, all resulting in **reducing the team workload by 11.7%** for that month.

PROJECTS

FilmBucket | Project Lead & Fullstack developer

Feb 2023 - Apr 2023

- Formulated **UI designs & flows** using **Balsamiq**, and accomplished the build of a **responsive & real-time interface** inspired by IMDb to display movie and TV-show details & reviews.
- Accelerated **webpage loading performance** by **26%** and the **development process** by **35%** by integrating **EJS templates** and using **Passport.js** for user **authentication & authorization**.

RecipeRoadmap | Project Lead & Fullstack developer

Dec 2022 - Feb 2023

- Optimized **REST API** endpoints using **JavaScript, Node.js** and **Express.js** to dynamically populate pages with recipes and store them via **CRUD operation** using **MySQL**.
- Developed **responsive and user-friendly webpages** that led to design improvements, such as increased **usability testing** scores of **88%**

Butterfly | Fullstack developer

Oct 2022 - Dec 2023

- Supervised an **agile team** to build an **accessible, full-stack, and responsive** small-scale social media web application using **HTML/CSS + JavaScript, using Node.js & Express.js**.
- Enabled **multi-platform user log-in & sign-up** by integrating **microservices** such as **Firebase Authentication** and **Firestore database** resulting in a **14% increase in user engagement**.
- Accomplished **17% more structure in codebase** by implementing **MVC design patterns** and **regex** to the projects.