

# BHAVYA SHAH

Full-Stack Developer

Sheridan College Student

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## SUMMARY

Full-stack developer and Sheridan College student with 8 months of co-op experience delivering real-world web applications for nonprofits and businesses. Hands-on with MERN, Java/Spring Boot, React/Next.js, Angular, and SQL/NoSQL databases. Comfortable owning features end-to-end, including database design, REST APIs, responsive UI, and CI/CD with automated testing, gaining experience with AWS SDKs, Lambda, API Gateway, DynamoDB, and cloud-native CI/CD. Passionate about clean architecture, readable code, and building products for education and accessibility.

## TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Swift, SQL, HTML/CSS  
Frontend: React, Next.js, Angular, Ionic, Swift UI, Tailwind CSS  
Backend: Node.js, Express.js, Spring Boot, REST APIs

Databases: MongoDB, PostgreSQL, MySQL, SQLite, Hive  
DevOps & Cloud: GitHub Actions, AWS (EC2, S3, API Gateway, Lambda, DynamoDB, CloudFront-style architectures), Postman, Cypress, Jest/Supertest  
Other: MapKit, WebKit/WKWebView, Firebase, Web Speech API, Hadoop/Hive

## EDUCATION

**Sheridan College – Software Development (Advanced Diploma), Ontario, Canada | Sept 2022 – April 2026**

**AWS Academy Cloud Developing [134786]** – Developing with AWS SDKs, building and securing REST APIs with API Gateway, integrating Lambda and DynamoDB, using S3 for storage, working with event-driven patterns (SNS/SQS), IAM-based security, CloudWatch monitoring, and CI/CD practices for cloud-native applications.

## EXPERIENCE

**Full-Stack Developer (Co-op) – Samskrita Bharati | Sept 2024 – Dec 2024 & May 2025 – Aug 2025 & Jan 2026 – April 2026**

Contributed to a Sanskrit Family Feud-style GameShow web platform used for language learning and community events. Started with Cypress end-to-end testing for survey and gameplay flows, then expanded into backend work using Node.js/Express and MongoDB with a MERN codebase.

Implemented real-time buzzer and multi-round gameplay using Socket.IO, with separate host and player roles and JWT-secured routes. Helped design deployment approaches using AWS-style architecture (API layer on EC2/serverless endpoints, static frontend hosting on S3/CloudFront-style setup, managed database) and integrated tests into GitHub Actions pipelines.

**Team Leader –Dollarama | Nov 2023 – Present**

Led shift operations, coordinated daily tasks, and trained new team leaders and key holders, building strong communication and leadership skills applicable to software teams.

## PROJECTS

**Childhood Disability Advocacy Hub (Capstone) | React/Next.js, Node/Express, MongoDB/PostgreSQL, Cypress, Postman**

Full-stack web platform to support caregivers in connecting with representatives and advocacy resources. Implemented key flows such as community enrollment, caregiver forms, and representative lookup with templated email/letter sending. Built secure REST APIs and test suites with Cypress and Postman integrated into CI, and designed architecture suitable for deployment on AWS (S3/CloudFront-style frontend, Node/Express API tier, managed database).

**Sanskrit Family Feud Game | MERN, Socket.IO, JWT, GitHub Actions**

Real-time, team-based quiz game for Sanskrit vocabulary and comprehension. Implemented buzz-in logic, scoring, answer reveals, and round summaries within a modular MERN architecture, with CI pipelines for backend and frontend tests and planned AWS-oriented deployment (API on EC2 or Lambda, static assets on S3/CloudFront).

**Big Data Energy Analytics | Hadoop, MapReduce, Hive, Shell**

Analyzed large-scale household electricity data using Hadoop and Hive. Created external Hive tables over HDFS, converted raw text data to optimized formats, and implemented MapReduce jobs and queries to compute maximum hourly consumption and daily aggregates.