

Hrishikesh Suresh Pradhan

+1(617)651-7435 | hrishikeshpradhan2000@gmail.com | [LinkedIn](#) | [Portfolio](#) | Graduating May' 26

EDUCATION

Northeastern University, Boston

September 2024 – May 2026

MS, Computer Science

GPA: 4.0/4.0

Birla Institute of Technology and Science, Goa

August 2018 – May 2023

MS, Mathematics & BE, Electronics

GPA: 3.2/4.0

SKILLS

Languages Java, Python, TypeScript, C++, SQL, JavaScript, Kotlin, Go

Frontend React, Vue, Angular, Swing, HTML/CSS, ChartJs

Backend Node, Flask, Gin, Postgres, MySQL, Sqlite, MongoDB, MVC, Ktor, AWS, Docker

EXPERIENCE

Software Engineer | *Acceldata*

June 2023 – June 2024

- Developed a feature using Kotlin and Angular, enabling flexible column selection for data loading in Spark analysis applications, reducing PU usage by 35% and RAM utilization by 50%.
- Optimized cloud cost and SQL performance by detecting and mitigating anti-patterns, reducing spending by 20% and improving query speed by up to 40%.
- Contributed to the development of a Kubernetes-as-a-Service (KaaS) application, responsible for automated on-demand cluster provisioning and reduced developer setup time by 50%.
- Built complex, real-time time series visualizations of costs, usage, queries, and tags using Angular and ChartJs, improving visibility into data access patterns and identifying usage trends.

Software Engineer Intern | *Acceldata*

June 2022 – May 2023

- Led a team of 5 interns using an agile workflow to create a full-stack dashboard using Flask and Angular for monitoring AWS usage, cost, and alert tracking, reducing monthly expenses by 25%.
- Developed notification capabilities for Email, Slack, Microsoft Teams, and ServiceNow utilizing webhooks.
- Enhanced data reliability through the creation of regular CRON jobs to crawl and integrate data from key platforms such as Snowflake, Databricks, and Azure Data Factory.
- Implemented comprehensive end-to-end UI automation testing using the Cypress framework, achieving 100% test coverage and significantly enhancing application reliability.

PROJECTS

Travel Log

[GitHub](#) | [Live](#)

- Developed a full-stack travel logging application using Vue.js/Nuxt.js with TypeScript, featuring interactive maps, image uploads, and location-based data management.
- Designed and implemented a robust database architecture using SQL with Drizzle ORM, including migrations, schemas, and type-safe queries for location and travel log data.
- Built secure authentication system with protected routes, middleware validation, and proper session management to ensure data privacy and user access control.
- Implemented cloud storage integration for image uploads and management using S3-compatible storage, complete with signed URLs and proper image handling workflows.

Calendar Application

[GitHub](#)

- Developed a feature-rich desktop calendar application using Java following the MVC architecture.
- Built an intuitive and responsive Swing GUI along with CLI mode supporting headless scripts.
- Created import/export functionality utilizing CSV format for cross-platform data portability.
- Added CI/CD pipelines using GitHub Actions and PiTest, ensuring 100% mutation coverage.

Expense Share

[GitHub](#) | [Live](#)

- Architected and implemented a complete expense-sharing web application using React frontend and Node.js backend with GraphQL API, enabling users to track shared expenses and balance settlements.
- Developed responsive React components for expense management, friend requests system, and statistical visualizations with an intuitive user experience focused on financial clarity.
- Created a comprehensive GraphQL schema with MongoDB integration, implementing resolvers for user authentication, expense tracking, friendship management, and financial statistics calculation.