GAYATRI BIRTHARE

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EDUCATION

Northeastern University, Seattle, WA   Jan. 2022–Present
Khoury College of Computer Sciences   Expected graduation: Apr 2024
Master of Science in Computer Science   GPA: 3.95/4.0
Related courses: Algorithms, Web Development, Building Scalable and Distributed Systems

National Institute of Technology, Jamshedpur, India   Jul. 2010–Jun. 2013
Master of Computer Applications   GPA: 8.58/10.0

TECHNICAL KNOWLEDGE

Languages:	Java, C#, JavaScript/TypeScript, Python
Databases:	MS SQL, MySQL, Redis, MongoDB, and DynamoDB
Web technologies:	REST, GraphQL, Node.JS, React, and SpringBoot
Cloud Computing:	AWS, RDS, Elastic Cache, AWS SQS, Amplify, CloudFormation, AWS CDK, AWS AppSync, and Firebase

WORK EXPERIENCE

Aeone, SDE Intern, Seattle, WA   Oct. 2023–Dec. 2023
- Built a smart media kit platform for social media content creators and talent managers to allow them to build a sharable custom media kit that aggregates data from multiple social media accounts and updates in real-time to drive business and share campaign details with brand partners.
- Developed a real-time and secure audience data-sharing web platform for content creators using React, Firebase, and SpringBoot.

Amazon, SDE Intern, Seattle, WA   May 2023–Jul. 2023
- Built a centralised fraud management web platform for Amazon.com stores that provides policy owners with a unified view of the fraud life cycle from detection to mitigation.
- Developed a GraphQL aggregation service using AWS AppSync, DynamoDB, and AWS Lambda for retrieving fraud life-cycle records from various downstream services.
- Implemented a web app to manage and view fraud history using Apollo GraphQL, React, and TypeScript.

J P Morgan Chase, Associate, Mumbai, India   Mar. 2021–Oct. 2021
- Contributed and managed data processing pipelines to calculate the nightly NAV (net asset value) delivery of some of the world's largest mutual funds using Apache Airflow.
- Implemented the Mutual Funds data validation and processing library in python to streamline the nightly client data onboarding. This feature reduced back-office tickets by 60%.

Bank of America, Software Engineer Mumbai, India   Sep. 2017–Mar. 2021
- Designed and implemented an analytics data store for the market research engineering team that pulls terabytes of data from various downstream data stores and makes the data available for further analysis.
- Developed a report generation and publishing platform that simplified the market report generation and publishing process, reducing report publishing time from days to minutes.
- Created a data validation tool that efficiently validates terabytes of data and applies large-scale corrections.
- Implemented algorithms to calculate foreign exchange rates and margin terms.

Gracenote Inc, Software Engineer Mumbai, India   Jan. 2017–July. 2021
- Developed a responsive, data-optimised, and mobile-friendly front-end for Zap2it.com using React and Redux.
- Worked on building APIs for Zap2it, having 5M weekly active users and more than 100M requests per day.