ALIVIA GUIN

Lynnwood, WA | 716.431.9684 | [Gmail](#) | [LinkedIn](#) | [Github](#) | [Portfolio](#)

EDUCATION

Northeastern University, Seattle   **Dec 2021**
Master of Science in Computer Software Engineering   **GPA: 3.92/4.0**
Courses: Program Structure and Algorithms, Application Engineering Development, Web Development, Data Management and Database Design, Object Oriented Design, Data Science Engineering

West Bengal University of Technology, Kolkata, India   **May 2013**
Bachelor of Technology in Information Technology   **GPA: 8.2/10**

TECHNICAL SKILLS

- *Programming Languages***:** Java, JavaScript, Python, SQL
- *Web Technologies***:** HTML, CSS, Node.js, Express, JSON, MVC, ReactJS, AngularJS, REST, Ruby on Rails
- *Database Technologies***:** MySQL, MSSQL, MongoDB, CosmosDB, DynamoDB
- *Others***:** Cloud Computing, AWS, Azure, Linux, Git, Jira, Asana

WORK EXPERIENCE

Syntax Data(Tyemill), Software Developer *(Ruby on Rails, Java, PostgreSQL, AWS, Heroku).*   **May 2022 – Jan 2023**
- Developed end-to-end features for the financial web applications using MVC framework of Ruby on Rails
- Created optimized queries and indexes in PostgreSQL database to store revenue data reducing data retrieval time by 25%
- Developed RESTful APIs for retrieving and manipulating financial data ensuring high performance and scalability
- Developed and hosted scripts on AWS EC2 to upload data files inside Amazon S3

Examity Inc., Full-Stack Developer Co-op *(Java, JavaScript, Angular, C#, Python, SQL, Azure)*   **Jan 2021 – Jul 2021**
- Developed 3 new features for the proctoring application, resulting in 20% increase in client engagement
- Created and documented RESTful APIs in Python that connects to MSSQL database to perform various CRUD operations
- Wrote unit and integration tests using Pytest for backend services ensuring high code quality and reliability
- Worked on agile software development in CI/CD pipeline and participated actively in code reviews
- Fixed 10+ critical bugs which significantly improved overall system stability

Bank of India, Credit Analyst *(CRM, CIBIL, Finacle, MS Excel)*   **Jun 2015 – Feb 2018**
- Analyzed 100+ burrower's credit applications, recommending approval for loan totaling 1 Crore INR

INDEPENDENT PROJECTS

Binary Search Tree Visual Simulator (Java, Swing GUI) [Demo](#)   **Summer 2024**
- Developed an interactive visual simulation of BST data structure to enhance the user understanding of tree traversals

Kitty Weather App (AWS Lex, S3, Lambda, DynamoDB, API Gateway, CloudWatch, CDN) [Play](#)   **Summer 2023**
- Developed a chatbot using AWS Lex that fetches weather data for cats stored in DynamoDB through Lambda
- Served the website from S3 with the static assets cached inside CDN and enabled monitoring with CloudWatch

Expense Management App (JavaScript, React, REST, Express, HTML, CSS) [Project Link](#)   **Fall 2020**
- Developed an expense tracking app for students to track their college expenses based on categories
- Implemented searching, filtering, sorting of expenses based on category, date range and ordering of expenses

ACADEMIC PROJECTS

Drone Delivery Simulator (Java, Swing, Design Patterns) [Project Link](#)   **Fall 2020**
- Designed and developed drone-based package delivery simulator for moving packages within a delivery map area
- Leveraged design patterns and implemented different algorithms to govern the drone movement and emit metrics

Online Job Portal Database Systems (MS SQL, Power BI)   **Summer 2020**
- Implemented functionality checking for phone number formats and triggers to auto populate data into database
- Generated visualization reports through views and using Power BI

TRAINING AND CERTIFICATIONS

- Advanced Software Engineering Virtual Experience at Walmart Global Tech   **Fall 2024**
- GCP Essential Training   **Fall 2019**
- Northeastern University Design Patterns Workshop   **Summer 2020**