MRIDULA PRABHAKAR

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https://mridulapbk.github.io

SUMMARY

A graduate student with an experience of over 2 years as a software developer, demonstrating proficiency in both front-end and back-end technologies. Adept at comprehending each phase of the Software Development Life Cycle (SDLC) to deliver efficient and high-quality solutions.

TECHNICAL SKILLS

Programming Languages: Java, SQL, HTML, CSS, JavaScript, Linux.

Frameworks and Libraries: Node.JS, Reacts, Express.JS, Flask, Selenium, Robot Framework, Salesforce – Apex & LWC.

Database: MySQL, MongoDB.

DevOps: Packer, Terraform, Github, Google Cloud, Docker, CI/CD, AWS.

Tools: Excel, Word, PowerPoint, Jira, Git, Postman, draw.io

Certifications: Google Cloud Practitioner (Associate), Microsoft Azure Fundamentals (AZ900), Azure Administrator Associate (AZ104).

EDUCATION

Masters Of Science in Software Engineering Systems (September 2023 till date)   **(GPA 1st Sem- 3.778)**

Northeastern University, Boston, Massachusetts

Coursework: Network structure and cloud computing, database design and data management, object oriented design, web development

and user design experience.

Bachelor of Technology in Computer Science and Engineering (B.Tech - C.S.E) (Aug 2017 – Aug2021)   **(GPA: 8.32)**
Dr. Akhilesh Das Institute of Technology and Management.

EXPERIENCE

Mindlance Inc. , New Jersey, USA   **(September 2024 – Present)**
Software Development Engineer Intern

(October 2021 – Sept 2023)

Accenture

- **Role**: To design, build, test, assemble and configure application using business requirements.
- Developed 5+ responsive web application pages with new features facilitating banks to maintain loan customer details and case history by designing, and developing new features using Spring Framework, React, and MongoDB. Written and debugged test cases using Robot
Framework and Selenium.
- Led the development of a robust e-commerce web app with JavaScript for UI, integrated seamlessly with Postman for API testing, and enhanced the order checkout page for streamlined cart management, delivery address input, and payment method selection, utilizing Klarna's API for the payment gateway.
- Created and handled over 30+ Jira tickets to effectively monitor and coordinate project tasks, ensuring smooth communication and a well- organized workflow.

INTERNSHIPS

Tech Mahindra   **(March – July 2021)**

- Worked on a project envisaged to develop ERP application aimed to fully automate the workflow processes of CPWD through modern IT tools such as Data Analytics, Machine Learning and Artificial Intelligence.

ACADEMIC PROJECTS

Cloud Native WebApp   **(Northeastern University)**

- Developed a python-based user management backend, utilizing Cloud SQL for optimized data storage and implemented serverless email verification for users using Pub/Sub and Cloud Functions.
- Enhanced deployment efficiency by 99% and cut deployment times in half by creating custom machine images with Packer and managing infrastructure via Terraform on GCP.
- Streamlined CI/CD processes using GitHub Actions, reducing deployment-related errors by 60%.
- Enhanced system scalability and reliability by integrating a load balancer and Managed Instance Group (MIG) Autoscaler, achieving a 99.99% service availability rate.

ConnectEngine   **(Northeastern University)**

- Worked on a group project, a dynamic social media platform designed for young adults and professionals. It focuses on user engagement through a real-time post system and personalized content feeds.
- **Tech Stack**: MongoDB, Express.JS, NodeJS, React, JsonWebToken. (GitHub Link)

Day Care System   **(Northeastern University)**

- Worked on a group project to enhance the efficiency of student data collection by seamlessly capturing names, ages, and essential parent/guardian information. Utilized immunization records for tracking and conducted performance evaluations.
- **Tech Stack**: Java, Swing, SQL, CSV. (GitHub Link)