

ATANU GHOSH

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SUMMARY

As an Associate Software Engineer, I bring a passion for problem-solving and a solid foundation in **Java, Python, DSA, MySQL, Spring Boot**. Committed to continuous learning, I thrive in collaborative environments, turning complex challenges into innovative solutions.

TECHNICAL SKILLS

Languages: Java, Python.

Web Technologies: HTML5, CSS3, JavaScript, REST, Spring Boot.

Tools & Technologies: Tableau, Informatica, Git, IntelliJ IDEA, Postman, VS Code, Swagger.

Other: Data structures and algorithms, MySQL, OOPS.

Soft Skill: Adaptability, Communication, Problem solving, Analytical, Team Work.

EXPERIENCE

Mphasis - Associate Software Engineer

05/2023 - Present

- Worked on a team. Executed comprehensive test cases to validate software functionality, ensuring thorough testing coverage.
- Collaborated closely with cross-functional teams to identify, document, and track defects throughout the testing process. Played a pivotal role in maintaining high-quality standards and meeting project deadlines.
- **Data Analytics Training:**
- Utilized Python for data analysis and scripting. Created interactive dashboards using Tableau for data visualization. Executed complex queries in SQL Server for data retrieval.
- Utilized Informatica for efficient Extract, Transform, Load (ETL) processes.

Visudh Ajivam Pvt Ltd - Web Development Intern

05/2021 - 08/2021

- Completed an internship focused on web development, gaining hands-on experience in HTML and CSS.
- Participated in the creation and maintenance of web pages, applying HTML for structuring content and CSS for styling.

PERSONAL PROJECTS

- **Software Fault Prediction and Analysis using Machine Learning and Python (Machine Learning):**
 - Gathered and curated a diverse dataset of software metrics, including code complexity, lines of code, and historical fault data.
 - Explored various machine learning algorithms, including Naive Bayes, Support Vector Machine (SVM), Decision Tree, K-Nearest Neighbour.
 - Achieved an accuracy of 99.9% through rigorous model evaluation using precision, recall, support, and F1 score metrics.
 - Documented the entire process, from data collection to model deployment, facilitating knowledge transfer and future scalability.
- **Library Management System in Java (JAVA):**
 - A Java-based project where I implemented features for adding, updating, and deleting books in the library inventory.
 - Developed a user authentication system for secure access to library resources Incorporated transaction functionalities for borrowing and returning books.
 - Database Used: **MySQL**.

EDUCATION

CGPA 7.7, Bachelor of Technology, Computer Science and Engineering, Gandhi Institute For Technology (GIFT)[**2022**

10+2, 80.8%, West Bengal Council of Higher Secondary Education, West Bengal [**2018**]

10, 79.42%, West Bengal Board of Secondary Education, West Bengal [**2016**]

ACHIEVEMENTS & CERTIFICATE

- Solved 380+ Problems on [LeetCode](#)
- Completed 61 hours of 'Learn Python Programming Masterclass' from UDEMY
- 'Fundamentals of Java Programming' from Coursera