


Saatvik Tripathy

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SKILLS

Languages and Databases: C++, Java, Python, SQL/PSQL, MongoDB, HTML/CSS, Javascript, Typescript

Frameworks: Node.js, Express, React, SpringBoot, REST, J2EE, Jenkins, Agile

Tools: Git, Jira, SQL Developer, Postman, Figma, PowerBi, Latex

EDUCATION

University of Florida

Aug 2023 – May 2025

Masters in Science (MS) in Computer Science, GPA: 3.55/4.00

Featured Coursework: Analysis of Algorithms, Advanced Data Structures, Distributed Operating Systems and Principles, Data Engineering, Computer Networks, Human Computer Interaction

GITAM University

Aug 2017 – May 2021

B.Tech in Computer Science and Engineering, GPA: 3.74/4.00

Featured Coursework: Database Management Systems, Design and Analysis of Algorithms, Machine Learning, Software Engineering

EXPERIENCE

Associate Software Engineer

Jun 2021 – Jun 2023

Accenture India Pvt. Ltd.

Jenkins, Jira, Git, Java

- Developed and implemented applications using **Java Spring Boot**, Hibernate, and Restful services with good code quality, resulting in a **30%** increase in efficiency.
- Played a pivotal role in spearheading development of a **microservices** architecture, boosting system scalability and adaptability by **25%**, significantly enhancing organizational capabilities.
- Designed and engineered 7 new **REST** API endpoints using Spring Boot, seamlessly retrieving and customizing JSON data from AWS-hosted databases, achieving precise business objectives.
- Maintained rigorous test coverage exceeding **95%**, surpassing industry standards, and best practices, ensuring robust validation of all new features.
- Collaborated with cross-functional teams to integrate **Agile methodologies** into company culture, leading to 20% increase in team collaboration and a 15% improvement in project efficiency.

Software Engineering Trainee

Apr 2021 – May 2021

Accenture India Pvt. Ltd.

Java, SQL, HTML, CSS, JavaScript

- Demonstrated mastery of **object-oriented programming** concepts by successfully completing a complex Java development project, resulting in a **95% satisfaction rate** from project stakeholders.
- Achieved a **91%** score in software engineering training, showcasing expertise in web technology concepts such as **HTML, CSS, and JavaScript**.

RELEVANT PROJECTS


Library Management System | Java, Data Structures

- Developed the cutting-edge 'GatorLibrary' system in Java, leveraging advanced data structures and algorithms to elevate book and patron services, boosting performance metrics by 40% and ensuring unparalleled data integrity.
- Implemented a Red-Black tree for book record management and a Binary Min-heap based priority queue for efficient waitlist handling and book allocation, achieving logarithmic operation complexity.

Automated Text Redaction Tool | Python, SpaCy, NLTK

- Engineered and deployed an innovative NLP-driven tool in Python for automated redaction of sensitive data in documents, ensuring compliance with privacy regulations and bolstering data security measures.
- Integrated statistical analysis for redacted content, providing metrics on data sensitivity and redaction efficacy, with comprehensive unit testing to ensure robust performance across various text formats.

ACHIEVEMENTS & AWARDS

- Mastered advanced problem-solving techniques by tackling over 300 complex LeetCode challenges; enhanced algorithmic thinking and coding efficiency. 
- Recipient of the University of Florida's Academic Achievement Award for outstanding undergraduate performance.
- Recipient of the GITAM University Merit scholarship, for having a final-year undergraduate GPA that ranked among the top 5 percent in the CSE department.