

Geetika

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EDUCATION

Bachelor of Technology in Computer Engineering

Jul 2016 - Aug 2020

Thapar Institute of Engineering and Technology

Patiala, India

Relevant courses: Data Structures, Algorithms, Databases, OOP Principles, Operating Systems, Machine Learning

TECHNICAL SKILLS

Java, Spring Boot, Hibernate, Full Stack Java Developer, Python, SQL, Web Development, JavaScript, CSS/SCSS, RESTful Web Services, React, Unit Testing (Mockito and PowerMock), Debugging Code, Splunk, Azure DevOps, Version Control (GIT), Eclipse, IntelliJ, Postman, Aqua Data Studio, Microsoft Office, AGILE Methodologies, Cross-Team Collaboration, Communication, Decision Making, Leadership, Problem Solving, Code Review, Continuous Learning.

PROFESSIONAL EXPERIENCE

Associate (Software Engineer II) | BlackRock, Gurgaon, India Jul 2020 – present

- Played a key role in developing the Subledger component for Aladdin's official accounting system, contributing to the generation of diverse reports tailored to different accounting bases and constructing the configuration system APIs, enabling users to customise the chart of accounts before initiating journal lot generation. Optimised application performance using **Apache Ignite** for distributed caching, leading to a significant decrease in query response times for crucial datasets
- Developed robust APIs leveraging BlackRock Green Package to efficiently categorise securities for Official Accounting and worked with teams across different functions to understand requirements and incorporate APIs into current systems.
- Innovated a comprehensive Java-based Regression Testing Framework responsible for ruling out differences in reports generated from our Subledger system. This script covers end-to-end functionality, ensuring accurate and efficient processing of financial data for official accounting purposes in post-trade accounting. This initiative optimised sanity checks across diverse code bases, fostering seamless collaboration among cross-functional teams, leading to a 40% reduction in critical system issues and a noticeable enhancement in system stability.
- Successfully managed production and external client release deployments, consistently meeting tight schedules and quality benchmarks. **Achieved zero production outages** and consistently exceeded client expectations through rigorous testing, risk assessment, and proactive client communication.
- Mentored junior team members and interns, imparting expertise in Java and BlackRock coding standards, while also delivering impactful demonstrations of application functionalities to external clients, contributing to team growth and client engagement.

Software Engineer Intern | BlackRock, Gurgaon, India Jan 2020 – Jul 2020

- Automated critical backend processes using **Java Frameworks, Multithreading and SQL**, leading to increase in data retrieval speed from **Apache Cassandra** repository and reduced manual effort.
- Project X** Designed and implemented a dynamic Angular website to showcase the return forecaster, utilising Monte Carlo simulation techniques, to predict return outcomes with a high degree of accuracy. Developed visualisations, including risk versus return graphs, to effectively communicate forecasted stock price movements and investment strategies.

PROJECTS

Personal Portfolio | React Feb 2024

Designed and developed a personal portfolio website, showcasing professional projects, skills, and achievements to potential employers. Leveraged React's component-based architecture and Bootstrap's pre-built UI components to streamline development and maintain consistency throughout the website. [Check it out.](#)

Automated Instagram Post Generator | Python, React March 2024

Designed and implemented an automated Instagram post generator using Python, integrating image generation capabilities with Gencraft to produce engaging and visually appealing content.

OCR Based Text Recognition, Translator and Summary Generator | Python Sep 2019 – Nov 2019

Implemented an OCR system using machine learning algorithms, image processing techniques.