

ABHISHEK SHAH

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TECHNICAL SKILLS

Languages	Python, Java, C++, JavaScript, SQL
Frameworks	Node.js, React.js, Flask, Django, REST APIs, Microservices
Cloud/DevOps	AWS, Oracle Cloud, Docker, Kubernetes, Terraform
Databases	MySQL, PostgreSQL, MongoDB, DynamoDB, Apache Kafka
Tools	Git, Maven, Gradle, Selenium, JUnit

WORK EXPERIENCE

Goldman Sachs Software Engineer	June 2024 – Present Jersey City, NJ
• Led subledger enhancements affecting 20+ teams , improving reporting reliability and system performance through platform restructuring, dependency reduction and service level optimization .	
• Automated complex reporting workflows using Java, Python, Shell, and SQL in production environments.	
• Built a reliable backup pipeline with 99.9% data integrity , supporting compliance and recovery requirements.	
• Reduced system downtime by 25% and manual effort by 40% through targeted process optimization.	
• Managed a team of 8 consultants to secure credentials and remove hardcoded secrets across internal codebases.	
• Upgraded services from HTTP to HTTPS and legacy transfers to FTPS to improve security and compliance.	
• Facilitate Agile sprints and collaborate with cross-functional teams to deliver scalable reporting solutions.	
General Electric Software Engineer Co-op	Jan 2023 – Dec 2023 Rochester, NY
• Reduced system bottlenecks by 40% using microservices architecture in Node.js.	
• Transformed legacy interfaces with React.js table components, improving application responsiveness.	
• Accelerated deployment by 2x with Python scripts and optimized CI/CD pipeline processes.	
• Achieved 100% regression test reliability for a long-range wireless communication system using Selenium .	
Rochester Institute of Technology Graduate Teaching Assistant	Jan 2022 – Dec 2022 Rochester, NY
• Mentored 200+ students in Python , focusing on object-oriented concepts and code reviews.	
• Led lab sessions on web technologies like JavaScript, jQuery, and AJAX to strengthen practical skills.	

QuantBinary.ai Machine Learning Intern	Sept 2020 – Jan 2021 Amravati, India
• Developed algorithmic trading strategies using Python and C++ for stock trading in the US market.	
• Delivered consistent profitability , achieving an average monthly return of 2% over 4 months.	
• Deployed a FastAPI-based backend , reducing API response times to under 50ms and streamlined API endpoint integration.	

ACADEMIC PROJECTS

Content-Based Image Retrieval	
• Designed and built an image retrieval platform using Flask and Python for similarity-based querying.	
• Integrated MongoDB's NoSQL framework to store vectors, achieving a 5x improvement in retrieval speed.	
• Boosted system performance by 15% through map-reduce optimization on a three-node Apache Hadoop cluster.	

IMDb Data Engineering and Management	
• Optimized IMDb's database, improving retrieval speeds by 1.5x and managing data with MongoDB.	
• Analyzed data with Apache Spark and Java to derive insights, improving project results by 15%.	

EDUCATION	
Rochester Institute of Technology, New York Master of Science in Computer Science	Aug 2021 – May 2024 GPA: 3.74/4
Sant Gadge Baba Amravati University, India Bachelor of Engineering in Computer Science	Jun 2016 – Jun 2020 CGPA: 9.11/10