

# ABHISHEK SHAH

📍 Jersey City, NJ

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## TECHNICAL SKILLS

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

## WORK EXPERIENCE

**Goldman Sachs** June 2024 – Present  
Software Engineer Jersey City, NJ

- Drove improvements to 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** Jan 2023 – Dec 2023  
Software Engineer Co-op Rochester, NY

- Reduced system bottlenecks by **40%** using microservices architecture in Node.js.
- Transformed legacy interfaces with **React.js** table components, improving application responsiveness.
- Improved deployment speed 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** Jan 2022 – Dec 2022  
Graduate Teaching Assistant 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** Sept 2020 – Jan 2021  
Machine Learning Intern 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.
- 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 **PySpark** and **Java** to derive insights, improving project results by **15%**.

## EDUCATION

**Rochester Institute of Technology, New York** Aug 2021 – May 2024  
Master of Science in Computer Science GPA: 3.74/4

**Sant Gadge Baba Amravati University, India** Jun 2016 – Jun 2020  
Bachelor of Engineering in Computer Science CGPA: 9.11/10