Abhishek Shah

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WORK EXPERIENCE

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

- Led project to replace, test, and deploy secure credentials in place of hardcoded passwords across **100+ code repositories**, enhancing security.
- Designed and deployed a data backup pipeline, meeting audit requirements and ensuring **99.9% data integrity**.
- Streamlined workflows using **Java, Python, Shell Script, and SQL**, **reducing downtime by 25%** for federal reporting applications.
- Automated processes, **reducing manual efforts by 40%** and improving team efficiency.
- Facilitated **Agile** sprints, gathering business requirements, engaging stakeholders, and delivering technical 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.
- **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**.
- Enhanced project outcomes by actively engaging in **Agile methodologies** and sprint planning sessions.

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.
- Developed instructional materials to simplify complex topics and enhance student learning.

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 5%** over 4 months.
- Deployed a **FastAPI-based backend**, reducing API response times to under 50ms and streamlined API endpoint integration.

ACADEMIC PROJECTS

Podcast Summarizer

- Built an AWS-based solution for podcast summarization using Keras, achieving 87% accuracy.
- Displayed summaries through a React.js interface, with infrastructure managed via Terraform.

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%.

TECHNICAL SKILLS

Programming Languages	Python, Java, Shell Script, JavaScript, SQL
Databases	MySQL, PostgreSQL, MongoDB, Cassandra, AWS DynamoDB
Web Tools & Frameworks	Node.js, React.js, REST, Flask, Django
Cloud Platform	AWS, Google Cloud, Oracle Cloud
Tools & Technologies	Git, GitLab CI, Docker, Maven, Gradle, Selenium, JUnit

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