Abhishek Shah

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WORK EXPERIENCE

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

- Helping migrate **General Ledger** and related applications to the **cloud**, improving scalability and performance.
- Contributing to various projects aimed at enhancing the **resiliency** and **speed** of existing frameworks.
- Developing and deploying high-performance **APIs and microservices** using **Java, Spring, Python, and SQL**.
- Collaborating with cross-functional teams to deliver innovative solutions in an **Agile** environment.

General Electric   **Jan 2023 – Dec 2023**
Software Engineer Co-op   Rochester, NY

- **Reduced system bottlenecks by 40%** through the implementation of a **microservices** architecture in **Node.js**.
- Transformed legacy interfaces with advanced **React** table components and supercharging application responsiveness.
- **Accelerated deployment time by 2x** by developing Python scripts and optimizing **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**, emphasizing object-oriented concepts and enhancing understanding through targeted code reviews.
- Led lab sessions centered on hands-on exercises, bolstering students' grasp of web technologies like **JavaScript, jQuery,** and **AJAX**.

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** delivering an average **monthly return of 5%** over 4 months.
- Deployed a **FastAPI**-based backend, **slashing API response times to under 50ms** and streamlining API endpoint integration.

ACADEMIC PROJECTS

Podcast Summarizer | Python, AWS, React.js, Keras   **Dec 2022**

- Engineered an AWS-driven solution for podcast summarization using **Keras**, achieving **87% accuracy**, and deployed via **AWS Lambda** with metadata in **DynamoDB**.
- Presented summaries via a **React.js** interface on **AWS S3**, with the infrastructure orchestrated seamlessly using **Terraform**.

IMDb Data Engineering and Management | MySQL, MongoDB, Apache Spark, Java   **May 2022**

- Optimized IMDb's **MySQL** database with 21 million rows, **enhancing retrieval speeds by 1.5x**, and streamlined data management using **MongoDB**.
- Leveraged **Apache Spark** to discern key data insights, improving project results by 15%, grounded on a robust **Java** framework.

TECHNICAL SKILLS

Programming Languages	Python, Java, JavaScript, SQL
Databases	MySQL, MongoDB, PostgreSQL
Cloud Platform	AWS (Terraform, Lambda, S3, API Gateway, DynamoDB, CloudWatch)
Web Tools & Frameworks	Node.js, React.js, Express.js, REST APIs, Flask, Django, HTML, CSS
Tools & Technologies	Git, Docker, Selenium, Linux, Jira, TCP/IP

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