Abhishek Shah

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WORK EXPERIENCE

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

- Enhancing security by replacing hard-coded passwords with credential references, testing, and deploying updates.
- Develop and deploy high-performance **APIs and microservices** using **Java, Spring, Python, and SQL**.
- Optimize system performance and scalability through robust software solutions.
- Collaborate 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, elevating user experience 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**.

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.

Content-Based Image Retrieval | Python, MongoDB, Apache Hadoop, Flask   Mar 2022

- Developed an advanced image retrieval platform leveraging **Flask** and **Python**; **achieved a significant 5x improvement** in retrieval rates through MongoDB's **NoSQL** framework.
- **Amplified system performance by 15%** by deploying map-reduce on a three-node **Apache Hadoop** cluster.

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**