

Atharv Joshi

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EDUCATION

Northeastern University | Boston, MA

Expected Dec 2025

Master Of Science in Information Systems

GPA 3.4/4

Coursework: Application Development, Web Designing and User Experience, Network Structures and Cloud Computing,

Medi-Caps University | India

Aug 2019- May 2023

Bachelor of Technology in Computer Science

GPA 3.7/4

SKILLS

Languages: Java, JavaScript, Python, TypeScript, SQL, C#

Web Development: React.js, Redux, Node.js, Express.js, Vue.js, Bootstrap, SCSS, Angular.js, REST APIs, GraphQL, Spring Boot

Cloud & DevOps: AWS, GCP, Docker, Terraform, Packer, GitHub Actions, Postman, Shell Scripting

Testing and Deployment Methodologies: JUnit, Agile, Scrum

EXPERIENCE

Affimintus Technologies Pvt Ltd

Indore, Madhya Pradesh

Java Developer Intern

Jan 2023 – Jun 2023

- Contributed to building and maintaining web applications using **Java, Spring Boot, Hibernate, JPA, and RESTful APIs**, writing **20% of the backend logic** and ensuring clean, maintainable code that adheres to established coding standards.
- Helped design and optimize database solutions, supporting **query performance improvements by 20%** through indexing and schema refinements in **relational databases (MySQL, PostgreSQL)**.
- Collaborated with senior developers, participating in code reviews and contributing to **25% of project deliverables**, while learning **Agile and Scrum methodologies**.
- Assisted in creating and executing unit, integration, and UI tests using frameworks like **JUnit** contributing to an **85% test coverage** across key application components, which helped in identifying and resolving bugs early and improving code reliability.

PROJECTS

Port Scanner & Process Mapper

Aug 2024 -Oct 2024

- Developed a **cross-platform Java application** that monitors **500+ active network connections**, analysing **TCP/UDP protocols, local/foreign addresses, and PIDs**, enhancing system diagnostics.
- Implemented **real-time monitoring** with customizable alerts, improving threat detection by continuously scanning network activity and logging **100+ port usage changes**.
- Integrated **robust logging functionality** to record port usage history and alerts for **audit trails**, ensuring compliance and effective troubleshooting across **Windows, MacOS, and Linux**.

ETL Pipeline Development with Python

May 2024 – Jun 2024

- Designed a robust ETL pipeline using **Python, SQLAlchemy, and Pandas**, automating data transfer of **10K+ records** from **SQL Server** to **PostgreSQL**, improving data flow efficiency by **30%**
- Optimized batch processing and error handling** to reduce data load failures by 20%, managing 100K+ records in chunks with efficient memory management and robust exception handling.

User Authentication Project with DevOps Implementation

Jan 2024 – April 2024

- Developed **JavaScript API** routes for user registration/login with **JSON**, token-based authentication, and BCrypt hashing, maintaining proper HTTP status codes.
- Automated infrastructure provisioning** on Google Cloud Platform (GCP) using **Terraform and Packer**, cutting **deployment time by 40%** and ensuring **100% deployment consistency** through **CI/CD pipelines with GitHub Actions**.
- Integrated real-time automation** using GCP Cloud Functions and Pub/Sub, increasing data processing efficiency for dynamic, data-driven automation.
- Deployed scalable SQL instances** with high availability and **CMEK encryption**, improving data security by 50% and reducing latency for optimized user experience.

FinSight: Data-Driven Finance Dashboard

Nov 2023 – Jan 2024

- Created a finance dashboard utilizing **Material-UI, TypeScript, and Recharts**, hosted on **Vercel**, delivering intuitive **data visualization** and Integrated **regression-based** revenue predictions enhancing **decision-making**.