**Atharv Joshi**

joshi.atharv1@northeastern.edu | (781)-873-2929 | [LinkedIn](https://www.linkedin.com/in/atharv-joshi-6768651b1/) | [GitHub](https://github.com/joshiatharv1)

**EDUCATION**

**Northeastern University** |Boston, MAExpected 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** | IndiaAug 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**.