

# Atharv Joshi

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## EDUCATION

**Northeastern University** | Boston, MA

Expected May 2025

*Master Of Science in Information Systems*

**Related Coursework:** Application Engineering Development, Web Designing and User Experience, Network Structures and Cloud Computing, User Experience and Testing.

**Medi-Caps University** | India

Aug 2019- May 2023

*Bachelor of Technology in Computer Science*

**Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Database Management Systems, Cryptography.

## SKILLS

**Programming Languages:** Java, JavaScript, Python, Typescript.

**Web Technologies and Frameworks:** ReactJS, Redux, NodeJS, ExpressJS, Bootstrap, SCSS, AngularJS

**Database and Tools:** MySQL Server, Google Cloud Platform, Docker, Terraform, Packer, GitHub Actions, Postman, Visual Studio, Eclipse, No SQL (MongoDB), Git, Github

**Networking:** OSI,TCP/IP, DNS, Routing Protocols, VPC, Firewalls, Subnets, Security Groups, IAM, CMEK

## EXPERIENCE

**Affimintus Technologies Pvt Ltd**

**Indore, Madhya Pradesh**

*Java Development Intern*

Jan 2023 – Jun 2023

- Collaborated on the development of **enterprise-level Java applications**, optimizing database connectivity by 30% through meticulous JDBC Integration.
- Engineered a sophisticated Courier Tracking App prototype, utilizing **Java servlets pages** for backend processing and HTML/CSS/JavaScript for frontend presentation, achieving seamless user experience and efficient data management.
- Implemented secure authentication mechanisms such as **JWT tokens and OAuth 2.0**, enhancing user data protection and privacy compliance.
- Crafted comprehensive test cases using testing frameworks like **JUnit**, resulting in decrease in post-production bug reports.

## PROJECTS

**User Authentication Project with DevOps Implementation**

Jan 2024 – April 2024

- Developed **RESTful API's** in JavaScript ES6+ to handle user authentication and registration endpoints with robust error handling using Jest. Used SQL database interactions, ensuring efficient data management.
- Implemented a **CI/CD pipeline** with GitHub Actions, automating integration tests to maintain code quality and reliability. Automated tasks using extensive **shell scripting** within built machine image.
- Leveraged **Terraform and GCP** to provision a secure infrastructure, configuring essential components like VPC, subnet, SQL instance, VM, and firewall rules.
- Configured **load balancing, SSL certificates**, and auto-scaling for high availability and secure communication.
- Implemented **Customer Managed Encryption Keys** for Virtual Machine, Cloud Bucket and Database.
- Employed **Packer** to create custom images of the Node.js application on CentOS, optimizing deployment processes and scalability.

**UniFlow: Seamless University Management System**

Sept 2023 – Nov 2023

- Developed a **Java Swing** University Management System, enabling collaboration among students, faculty, employers, and administrators, with a focus on data security and **role-based access control**.
- Utilized **MySQL** for efficient data storage, enhancing user identification and decision-making through automated student ID generation and visual analytics with JFreeChart.

**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**.
- Integrated **regression-based** revenue predictions, enhancing decision-making insights through data-driven analysis.
- Engineered a scalable backend with **Node.js, Express.js, and MongoDB**, deployed on Fly.io, **incorporating Redux Toolkit and React Router** for seamless state management and navigation.