**YASH BHATIA**

Boston, MA | [bhatia.yas@northeastern.edu](mailto:bhatia.yas@northeastern.edu) | (857) 313 4049 | <https://linkedin.com/in/yash-bhatia-3a953a224>

# EDUCATION

**Northeastern University,** Boston, MA  **May 2024**

Master of Science, Information Systems **GPA 3.52/4**

Relevant Coursework: Data Structures and Algorithms, Web Design/User Experience Engineering, Data Management and Database Design, Network Structures & Cloud Computing

**University of Mumbai,** Mumbai, MH, India **June 2020**

Bachelor of Engineering, Electronics and Telecommunications **GPA 8.06/10** Relevant Coursework: Applied Mathematics, Database Management System, Big Data Analytics

# TECHNICAL SKILLS

**Programming languages**: Java, Python, HTML, CSS, JavaScript, Node JS, Express JS, React JS, RESTful APIs, AngularJS

**Database**: Oracle, PL/SQL, MySQL, MongoDB, Hadoop

**Tools and Technologies**: AWS, Tableau, GitHub, JIRA, MS Office

**Libraries:** NumPy, Pandas, OpenCV, Keras, SciPy, Matplotlib.

# WORK EXPERIENCE

**Accenture Solutions Pvt Ltd** *Application Development Associate* **Feb 2021 - Jul 2022**

* Developed several REST web services supporting both **XML** and **JSON** in Java application.
* Developed and maintained scalable backend systems with Java using the Spring Boot framework, resulting in a 32% improvement in application performance.
* Worked with unit testing of Java applications using JUnit and Spring Test and extensive use of **GIT** to manage source code.
* Designed **UNIX** shell scripts for automation processes, increasing efficiency by **44%**.
* Interacted with cross-functional team members by drafting client requirements specifications.
* Recorded all technical, implementations, and status updates within **JIRA** while working on **Agile** methodology.

**Trivia Softwares** *Java Developer Intern* **Jun 2018 - Jul 2018**

* Actively contributed to a dynamic software development team, gaining hands-on experience in Java application development.
* Gained exposure to the Spring Boot framework, focusing on building RESTful APIs for data exchange and application integration.

# PROJECTS

**Airline E-commerce | Java Spring Boot, MySQL, AngularJS, Thymeleaf Apr 2023**

* Developed a web application using **Spring Boot**, **Spring data JPA** and **MySQL** where users can login and book a flight.
* Created an Integration layer **REST API** for flight check-in microservice to check in passengers with reservations.
* Designed front end templates using **Thymeleaf** and styled them using **Bootstrap** and **CSS**.

**Gym Ecosystem | Java, MySQL, NetBeans Dec 2022**

* Developed a Java application to create a network connecting city to a gym and its related entities in a managed ecosystem, enabling gym members to enroll in diverse programs, resulting in an enhanced member experience.
* Supplemented a robust authentication module for different login access as per roles in ecosystem.
* Configured application with **MySQL** database and added **Google SMTP** for email verification of user credentials.

**Brainterest – Blog App | MERN Stack, MongoDB, RESTful API, AWS Dec 2022**

* Designed and deployed a blogging website on **AWS EC2** instance, allowing users to sign up and publish blogs.
* Built front-end of website with **React JS** resources, optimizing performance and achieving a 25% increase in page load speed. Integrated back-end use of **Node JS**, **Express JS,** and **MongoDB** to provide the **RESTful API**.
* Prioritized security by incorporating password **hashing** at the login page, safeguarding user credentials, and ensuring data integrity resulting in a 95% reduction in the risk of unauthorized access.

**Image Caption Generator | Python, Machine Learning Dec 2022**

* Designed an application to analyze images and convert to natural language (English) descriptions.
* Utilized deep learning techniques to implement a **convolutional neural network** (**CNN**) with recurrent neural network (**LSTM**) to build the image caption generator.
* Created an application in Python using a **Keras** framework against a **Flickr** **8K** dataset.