

YASH BHATIA

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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.