

# YASH BHATIA

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## EDUCATION

**Northeastern University**, Boston, MA **May 2024**  
Master of Science, Information Systems **GPA 3.52/4**  
Relevant Coursework: Web Design/User Experience Engineering, Data Management and Database Design, Network Structures & Cloud Computing, Data Structures and Algorithms

**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:** Python, Java, SQL, HTML, CSS, SASS, JavaScript, Node JS, Express JS, React JS, RESTful APIs

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

**Tools and Technologies:** AWS, Jenkins, Docker, MS Excel, Tableau, Power BI, GitHub, JIRA, Informatica, 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 NodeJS web application.
- Successfully created and maintained automated **CI/CD** pipelines for code deployment using **Jenkins** while automating the deployment process, resulting in elimination of **70%** of manual work.
- Utilized **Docker** container to create Docker images for different environments.
- Deployed a web application on **AWS EC2** instance and worked in **GIT** to manage source code.
- Worked with unit testing of JavaScript applications using Karma, Jasmine, and Jest.
- 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** *Python Developer Intern* **Jun 2018 - Jul 2018**

- Programmed **OpenCV**, **NumPy**, **Pandas** and **Matplotlib** data science libraries to devise data retrieval system.
- Utilized **Beautiful Soup** for web scrapping to extract data for building graphs, gaining **90%** accuracy for analysis.

## PROJECTS

**Bookstore Management System | Oracle, PL/SQL, Tableau** **Apr 2023**

- Developed a comprehensive system, handling customer, bookstore, and inventory details, and implemented 20+ **procedures**, **functions**, and **packages**, boosting functionality and performance of the database.
- Optimized **SQL** queries and indexing strategies, resulting in a **45%** reduction in query response time and improved overall system performance while implementing robust validation rules, ensuring data integrity.
- Created charts and graphs leveraging data visualization tool **Tableau** to present data patterns.

**Brainterest – Blog App | HTML, CSS, MERN Stack, RESTful API, Postman** **Dec 2022**

- Designed a community driven blogging website, 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.

**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.