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, Application Engineering & Development, Data Management and Database Design, Program 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, JavaScript, Node JS, Express JS, React JS, RESTful APIs
Database: Oracle, PL/SQL, MySQL, MongoDB, Hadoop
Tools and Technologies: Amazon Web Services (AWS), Postman, Tableau, Matlab, GitHub, JIRA, Informatica, MS Excel
Libraries: NumPy, Pandas, OpenCV, Keras, SciPy, Matplotlib.

WORK EXPERIENCE

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

- Performed data analysis, data extraction and delivered valuable insights using Business Intelligence tool **Power BI** to enhance decision-making across 6+ departments, improving business efficiency by **53%**.
- Optimized existing **SSIS** packages, mappings, and workflows in **Informatica** to load data from csv files into data warehouse, increasing build quality by **30%** in 7 weeks.
- Collaborated in **ETL** development tasks utilizing **SQL** queries, shifting away from an obsolete system, decreased end-user waiting times by **40%**.
- Deployed web application on **AWS** using **Jenkins CI/CD** pipeline while integrating it with **GitHub**.
- Designed **UNIX** shell scripts for automation of ETL jobs operating on AutoSys scheduler, increasing efficiency by **44%**.
- 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** and **NumPy** 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.
- Analyzed the data with **SciPy** and **Pandas** and presented it using **Matplotlib**.

PROJECTS

Image Caption Generator | Python **Dec 2022**

- Designed and created 2 applications 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.

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.
- Implemented robust validation rules and access controls, ensuring data integrity and security for a database with 10,000+ records.
- Created charts and graphs leveraging data visualization tool **Tableau** to present data patterns and making data analysis more accessible, also facilitating data-driven decision-making for management and marketing strategies.

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.
- Created use cases and **UML** diagrams – activity, sequence, and class – using **Visio** in line with project goals.
- 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.