YASH BHATIA

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EDUCATION

Northeastern University, Boston, MA **May 2024**
Master of Science, Information Systems **GPA 3.52/4**
Relevant Coursework: Network Structures and Cloud Computing, Web Design/User Experience Engineering, 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: Java, Python, JavaScript, SQL, HTML, CSS, Node JS, Express JS, React JS, RESTful APIs
Database: Oracle, PL/SQL, MySql, MongoDB, PostgreSQL
Tools and Technologies: Amazon Web Services (AWS), Docker, VS Code, Postman, GitHub, JIRA, MS Office
Operating Systems: Windows, Linux, MacOS

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.
- Deployed an application on **AWS EC2** instance and utilized **Docker** container to create Docker images.
- 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

Learning Management System | AWS, JavaScript, MySql, RESTful API **Oct 2023**

- Developed a **cloud** native web application and implemented authenticated **RESTful** services utilizing **Bcrypt** hashing.
- Successfully established Continuous Integration (**CI**) using **GitHub** Actions for automated integration tests and code quality checks to ensure application reliability.
- Deployed the application on **AWS EC2** instance and utilized **Amazon RDS** for the database.
- Leveraged **Pulumi** for Infrastructure as Code (**IaC**) and managed **DNS**, **Cloud watch**, **VPCs**, **Route53** hosted zones and health Checks.

Airline E-commerce | Java Spring Boot, MySQL, AngularJS, Thymeleaf **Dec 2022**

- Developed a web application using **Spring Boot**, **Spring data JPA** and **MySQL** where users can login and book a flight.
- Created an Integration layer **RESTful 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**.

Brainterest – Blog App | HTML, CSS, JavaScript, MERN Stack, RESTful API **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 **Sep 2022**

- Designed and created 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.