

# Tharun Bharadwaj Bhupathi

Graduate Student @ NJIT

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## EDUCATION

### MASTERS OF SCIENCE, COMPUTER SCIENCE

Sep 2022 - Present

### NEW JERSEY INSTITUTE OF TECHNOLOGY

Newark, New Jersey, USA

GPA : 3.57/4

Relevant Courses: Web Development Systems, Data Management System Design, Operating Systems, Internet and High Layer Protocols, and Introduction to Big Data

#### Achievements :

- Engineered a robust web application leveraging Spring Framework, Spring Boot, and Hibernate to empower seamless management of to-do lists

#### Certifications :

- Certified in Amazon Web Services : Academy Cloud Foundations
- Certified in Amazon Web Services : Cloud Developing

### BACHELOR OF TECHNOLOGY, COMPUTER SCIENCE

Jul 2017 - Jul 2021

### Jawaharlal Nehru Technological University

Andhra Pradesh, India

GPA : 7.7/10

#### Achievements :

- Presented a paper titled Cyber Security, conducted by Jawaharlal Nehru Technological University, Kalikiri, Andhra Pradesh, India
- Presented a paper named Artificial Intelligence and its Future Scope, which was one of the best presentations of our Technical FEST
- I engaged in a workshop on big data and cloud computing organized by IEEE at Jawaharlal Nehru Technological University, Andhra Pradesh, India.

## TECHNICAL SKILLS

Java, Python, GitHub, Data Structures and Algorithms, SQL, JavaScript, Spring Framework, Spring Boot, Hibernate, CI/CD, AngularJs, HTML5, CSS3, JSP, PL/SQL, JPA, XML, JSON, MongoDB, AWS Cloud Foundations, Cloud Developing and Docker

## PROFESSIONAL EXPERIENCE

### Associate Software Engineer

Sep 2021 - Jul 2022

### ACCENTURE Solutions

Hyderabad, India

#### Job Profile and Responsibilities:

- Utilized the **Spring Framework** in conjunction with JSP, HTML, CSS, and JavaScript to create dynamic web pages
- Designed, developed, and maintained the data layer using the **ORM** (Object-Relational Mapping) framework, Hibernate
- Created an **MVC**-Model architecture and set up Tomcat servers to host the application
- Contributed to the development of 30% SQL queries for effective retrieval of data from MySQL databases
- Participated in development process and proposed Agile methodology implementation, resulting in a 40% improvement in team productivity

## PROJECTS

### CAR RENTAL SYSTEM

### NEW JERSEY INSTITUTE OF TECHNOLOGY

- Developed a web application where a user can lend a car for rent according to their preference online by using **PHP, JavaScript, and MySQL**
- Developed a network system that explores multiple network protocols using **Java 8**, similar to AWS S3.

### LIBRARY MANAGEMENT SYSTEM

### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

- Implemented a library management System using Tkinter to build GUI applications offered by Python for making more interactive

### OPEN CV FACE DETECTION AND RECOGNITION

### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

- It enables mask detection on faces, verifies facial recognition, and documents student attendance
- Beginning with face detection, make use of deep learning to extract intricate face embeddings from each detected face
- Following that, trained a face recognition model by harnessing these embeddings using Python and SQL technology
- Utilizing OpenCV, adeptly identify faces within images as well as video streams