Shantanu Sachdeva

Boston, MA • (508) 523-1236 • sachdeva.sh@northeastern.edu • linkedin.com/in/ssachdeva257 •
https://github.com/shansach

EDUCATION

Northeastern University   Boston, MA
Master of Science in Software Engineering Systems | GPA 3.686   Expected May 2024

Manipal Institute of Technology   Karnataka, India
Bachelor of Technology in Computer Science and Engineering, Minor in Big Data   August 2021
Relevant Coursework: Distributed Systems, Operating Systems, Computer Networks, Algorithms

SKILLS

- **Languages**: Java, C++, Python, JavaScript, TypeScript, Swift, Bash Scripting, HTML5, CSS, XML
- **Frameworks**: Node.js, Spring Boot, Hibernate ORM, React.js, Apache Tomcat, Android Studio
- **Databases**: MySQL, MongoDB
- **Deep Learning**: TensorFlow, Keras

EXPERIENCE

Machine Learning Intern at AI Vision Team   New Delhi, India
Innefu Labs Pvt. Ltd.   May - July 2020
- Designed an image classifier for differentiating shirt designs using machine-learning techniques
- Collected and processed the image data to create a dataset for shirt images
- Implemented the model using the Keras library

ACADEMIC PROJECTS

Food Delivery Application | *Express.JS, React, MongoDB, Git*   April 2023
- Developed an application that allows customers to easily connect with restaurants, place their orders and
  receive deliveries, making ordering food more convenient and efficient
- Combined React for the front end, Express.JS for the back end, and MongoDB for data persistence to
  ensure a responsive and scalable application that can handle a significant number of users and requests
- Implemented a real-time chat feature, driven by WebSockets executed via Socket.io & Express.js

Hospital Information Management System | *Spring Boot, Java, MySql, JSP, Hibernate, Git*   December 2022
- Created a micro-services-based hospital information management application to book appointments, view
  procedure status, access final reports, and allow physicians to cancel appointments and upload results
- Utilized Spring Boot for implementation and Hibernate ORM for data persistence, resulting in a
  user-friendly, efficient, and reliable solution for managing hospital operations

Acoustic Scene Classification Challenge | *Python, Librosa, Keras*   February - July 2021
- Constructed a model to classify a dataset consisting of short audio clips from various scenes of cities in
  Europe into different classes
- Built a model consisting of Neural Networks and an ensemble method using the Keras Library
- Accomplished accuracy of 68.1% of Tampere University of Technology (TUT) Urban Acoustic Scenes
  2018 development datasets

CONFERENCE PRESENTATION

- S. Sachdeva and M. Mulimani, "Acoustic Scene Classification using Fusion of Features and Random
  Forest Classifier," *2022 9th International Conference on Computing for Sustainable Global Development
  (INDIACom)*, 2022, pp. 654-658, doi: 10.23919/INDIACom54597.2022.9763271f