Rachana Sudhakar

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Education

Northeastern University — Boston, MA
Masters of Science in Computer Science — *Sept. 2024 - Present*

DY Patil School of Engineering and Technology — Pune, India
Bachelors in Computer Science Engineering — *Aug. 2020 - Aug. 2024*

Technical Skills

Languages: Java, Python, SQL , JavaScript, HTML/CSS
Frameworks: React, Node.js, JUnit
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, SQL Developer, Oracle
Libraries: pandas, NumPy, Matplotlib

Experience

Tata Consultancy Services — Nov. 2023 – April 2024
Full Stack Developer Intern — Mumbai, India

- **Project 1: IPL Score Tracker**
  - Developed a dynamic, full-stack website for tracking IPL scores.
  - Integrated front-end and back-end functionalities to enable real-time data display.
  - Utilized HTML, CSS, JavaScript, and backend to deliver a responsive user experience.
- **Project 2: BFSI SAP Uploader**
  - Built a dynamic web application for the BFSI sector, designed for SAP data upload functionality.
  - Gained expertise in Spring Boot, Bootstrap, HTML, CSS, and JavaScript.
  - Enabled efficient data management and created an intuitive user interface.

Bolt IoT — Aug. 2022 – Sep. 2022
Frontend Developer Intern — Mumbai, India

- Completed training in HTML, CSS, and JavaScript for front-end web development.
- Developed a dynamic and responsive website replicating the Bolt IoT platform.
- Demonstrated strong UI design skills and attention to detail in recreating platform features.

Projects

Image Classification for Plant leaf Disease | *Python, TensorFlow, and Keras* — May 2018 – May 2020

- Developed the Plant Leaf Disease Detection project to automatically identify and classify plant leaf diseases using deep learning.
- Leveraged computer vision and machine learning to enable early disease detection, allowing for timely interventions
- Contributed to enhanced agricultural productivity by addressing critical challenges in plant health management.

Song Recommendation System | *Python, TensorFlow, and Keras* — May 2018 – May 2020

- Developed **Aura**, a personalized song recommendation system designed to provide music suggestions based on user preferences, listening history, and behavior patterns.
- Applied machine learning algorithms and collaborative filtering techniques to deliver tailored music recommendations.
- Enhanced user satisfaction and engagement by creating a customized music listening experience.
- Contributed to enhanced agricultural productivity by addressing critical challenges in plant health management.