

Rachana Sudhakar

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EDUCATION

Northeastern University

Masters of Science in Computer Science

Boston, MA

Sept. 2024 - Present

DY Patil School of Engineering and Technology

Bachelors in Computer Science Engineering — Gold Medalist

Pune, India

Aug. 2020 - Aug. 2024

TECHNICAL SKILLS

Languages: JavaScript (ES6), TypeScript, HTML5, CSS3, Java, Python, SQL, C#, C++, UNIX, Linux, Go, Dart

Frameworks: React, Next.js, Node.js, Express, JUnit, Apache Kafka, Angular

Developer Tools: Git, VS Code, Visual Studio, IntelliJ, PyCharm, Sublime Text, Eclipse, SQL Developer, Chrome DevTools, NPM, Yarn, Webpack, Docker, **Jira**

Backend Technologies: MongoDB, MySQL, PL/SQL, Oracle SQL Developer, Express.js

Libraries: React Hooks, Redux, Axios, React Testing Library, Jest

Web Technologies: REST APIs, XSL, AJAX, JSON, jQuery, XML, user interface

EXPERIENCE

Tata Consultancy Services

Full Stack Developer Intern

Nov. 2023 – Apr. 2024

Mumbai, India

• Project 1: IPL Score Tracker

- Developed a responsive tracker using **HTML, CSS, JavaScript, React, Java, Spring Boot**, optimizing **frontend-backend integration, ETL processes**, and **SDLC**.
- Used **Google Analytics** for performance tracking, enhanced **UX/UI design** with **Adobe Suite**, and added UI components via **Java Swing**.

• Project 2: BFSI SAP Uploader

- Built a SAP data upload app with **Spring Boot, React**, and **SharePoint**, enabling **cross-functional** collaboration.
- Applied **critical thinking** to optimize data flow and efficiency, using **Outlook** for communication and **product management**.

Bolt IoT

Frontend Developer Intern

Aug. 2022 – Sep. 2022

Mumbai, India

- Created dynamic web prototypes using **HTML, CSS, JavaScript, React, DOM**.
- Utilized **Excel** for data visualization, applied **problem-solving**, and improved functionality with **product features**.

PROJECTS

Kanbas - Course Management Web App | *React, TypeScript, Node.js, HTML/CSS*

August 2024 – Present

- Built a responsive course management platform with React, TypeScript, and JSON backend, optimizing user experience and **data structure**.
- Implemented role-based API with micro-services and **Web Services**, utilizing **test automation** and **Agile** practices.

Image Classification for Plant Leaf Disease | *Python, TensorFlow, Keras*

May 2018 – May 2020

- Developed a **machine learning** project for plant leaf disease detection, using **GPU** for **CNN** processing and driving **operational improvements**.
- Preprocessed data, trained models, and integrated **test automation**, ensuring **ethics** in AI development and optimizing with **computer architecture** considerations.