

SANDESH S

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WORK EXPERIENCE

HCL - PROJECT INTERN | [click here](#)

Aug 2023 - Oct 2023

- Designed the implementation of a real-time synchronization mechanism between manager and employee portals called "PROJECT+", boosting project and task management efficiency by streamlining communication and enabling seamless collaboration, resulting in a 40% reduction in project delays.
- Established a portal with role-based authentication, catering to both managers and employees with distinct accounts.

PROJECTS

ENV-SYNC - Environment Related Website | [click here](#)

- Developed Env Sync using the MERN stack, enabling real-time AQI retrieval, predictive modeling, and smart waste management solutions.
- Engineered a robust Linear Regression model leveraging Python to forecast Air Quality Index (AQI) achieved an impressive accuracy rate of 85%, aiding in proactive pollution control measures.
- Integrated machine learning algorithms to classify uploaded waste images for efficient waste management, alongside curating a dedicated environmental blog section within Env Sync.

MR.BOT - Voice Assistant

- Collaboratively developed using Python for HackClub hackathon, achieving a 25% increase in user engagement compared to the average project.
- Integrated features like a dynamic to-do list, real-time weather forecast, and seamless Google and YouTube search functionality using voice commands, enhancing user convenience and productivity.
- Pioneered a groundbreaking voice-controlled train ticket reservation system, resulting in a 40% reduction in booking time and a 15% increase in user satisfaction.

CERTIFICATES

RDBMS (PWC) | [CERTIFICATE](#)

April 2024

- Gained proficiency in creating, organizing, storing, and retrieving data from databases.
- Acquired experience working with MySQL queries to perform various computations and functions.
- Developed a strong understanding of RDBMS concepts, including data definition, data manipulation, scalar and aggregate functions, joins, and subqueries.

PROGRAMMING FUNDAMENTALS - JAVA (PWC) | [CERTIFICATE](#)

June 2024

- Demonstrated adequate knowledge of Java programming fundamentals.
- Implemented various object-oriented features and designed stand-alone Java applications.
- Described the basics of Java, including classes and objects, arrays and strings, and regular expressions.

ACHIEVEMENTS

- Successfully advanced through the coding round and earned selection as one of the learners for the prestigious PWC Launchpad 2024 program, alongside a cohort of 500 talented individuals.
- Selected for HCL Internship as a part of Professional Training in my 5th semester.
- Secured 3rd Place among 2000 participants in Inter-department C programming competition.

EDUCATION

Sathyabama Institute Of Science and Technology

B.E Computer Science Engineering CGPA: 9.12

Kola Saraswathi Vaishnav Sr. Sec. School

12th Grade Percentage - 90.4 | 10th Grade Percentage - 84

Chennai, India

Sept 2021 - Sept 2025

Chennai, India

Grad. 2021

SKILLS SUMMARY

- Languages:** JAVA, Python, MySQL, JavaScript
- Development:** ReactJS, HTML, CSS, MongoDB, Express, Redux, Tailwind CSS
- Tools:** PowerPoint, MySQL, Salesforce CRM, Appwrite
- Platforms:** Git & GitHub, Jupyter Notebook, Visual Studio Code, IntelliJ IDEA
- Soft Skills:** People Management, Excellent Communication, Public Speaking