# Education

RUDRESH

Final Year MCA @ Jain (Deemed-to-be University)-Bangalore

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 [**Rudy9025**](https://leetcode.com/u/rudy9025/)| [**rudy9025**](https://in.pinterest.com/Rudy9025/) **| ** [**Rudresh**](https://www.linkedin.com/in/rudy9025/) **| ** [**Rudy9025**](https://github.com/Rudy9025)

* **Jain (Deemed-to-be University), Bangalore. [Aug 2023 – June 2025]**

Master of Computer Applications. Current CGPA: 8.30

* **Presidency University, Bangalore. [Jun 2020 – June 2023]**

Bachelor of Computer Applications. CGPA: 8.88

# Experience

**Project Intern** **| Certificate [](https://drive.google.com/file/d/1WPAdurn-eQ4U9uSZCHCyT2X7gyIYmLvH/view?usp=sharing)**  **On-Site [Jun 2024 – Sep 2024]**

**Robert Bosch**, Bangalore.

Contributed to advanced software projects at Robert Bosch, driving innovation and efficiency

* **Family Day Application 2024 [Techs: NextJs, MySQL, Middlewares]**

Developed a streamlined, NextJS-powered full-stack solution for employees to register themselves and their family members (including spouses, children, and parents) for the Family Day 2024 event.

* **Secure Access & Data Management:** Implemented robust authentication, session management, and protected routes, enabling secure admin uploads of employee data in various formats.
* **Personalized Registration & Reporting:** Developed an employee registration interface with options for adding family members, and created an admin portal with a reporting system that generates detailed reports on registrations, participation, and more.
* **Optimized Performance & UX:** Utilized NextJS's SSR and SSG, React Hooks, and responsive design to deliver a seamless user experience, improved performance, and scalability.
* **SMT Changeover Info Application [Techs: React, Nodejs, MySQL, Sequelize]**

Developed a comprehensive application leveraging ReactJS for the frontend and ExpressJS and NodeJS for the backend, utilizing Oracle MySQL Developer, and MySQL Workbench as databases, to streamline SMT changeover information.

* **Scalable Architecture & Data Retrieval**: Designed a modular architecture to accommodate 14 SMT lines, implementing a data pipeline that integrates multiple tables to retrieve and display critical changeover information.
* **Real-time Data Visualization & Updates**: Developed a continuous FIDS format display with key columns and calculated fields, ensuring data freshness across all 14 SMT lines with automatic updates every 10 minutes.
* **Robust Data Management**: Utilized Oracle MySQL queries and MySQL Workbench to process and integrate multiple databases, ensuring data consistency and integrity.
* **SSO Integration [Techs: Azure AD, MSAL, JWT]**
* **Federated Identity Management:** Successfully implemented SSO across various applications via Azure AD registration, enabling a cohesive and unified identity management system for enhanced user experience.
* **Secure Token Management**: Utilized the jwt-decode package to extract claims from ID tokens in JWT format, ensuring robust and secure authentication while safeguarding user data.
* **Seamless Session Management**: Efficiently stored authenticated user credentials in sessionStorage, providing continuous access and a frictionless user experience across multiple applications and sessions.
* **IIS Deployments [Techs: Microsoft IIS]**
* **Scalable and Secure Deployment**: Executed IIS application deployments, leveraging load balancing, auto-scaling, and robust security features to ensure high availability and data protection.
* **Remote Server Management**: Utilized RDP to connect to the server, hosting developed web applications on the IIS platform, and configuring HTTPS with user-defined selective ports for secure access.

# Projects

# AI-Companion | Github | Live [Techs: Google/generative-ai, ThreeJs, React]

* Utilized cutting-edge AI technology to craft an interactive frontend, bringing to life a stunning 3D rendition using Three.js.
* Enthralling users with dynamic dance moves, from the sway of salsa to the rhythmic allure of twerk and energetic precision of drill.
* Orchestrated immersive dialogue experiences, leveraging **Gemini Google Generative AI** API for engaging conversations.

## Ubuntu-Themed-Personal-Portfolio | Github | Live [Techs: NextJs, EmailJs, tailwindcss]

* + My personal Portfolio Website, a digital oasis inspired by the **Ubuntu 20.04** aesthetic.
  + Built with **Next.js** and styled gracefully with **Tailwind CSS**, it promises a refined digital journey.
  + Connect me through the Contact Me app, powered by **EmailJS** for smooth communication.
  + This website is more than a portfolio, it's an ecosystem for digital exploration and connection.

## Car-Configurator | Github | Live [Techs: React, ThreeJs, R3F, Blender]

* + Crafted with **Three.js,** Blender, React, and GLTF, Rudy's Car Configurator epitomizes innovation in virtual car customization.
  + Explore a realm of luxury vehicles, each meticulously rendered in 3D for an immersive experience.
  + Seamlessly integrated, **download** your bespoke creation as an image, ready for sharing or further admiration.

# Technical Skills

# Frontend JavaScript, React, Threejs, Next, Vite

# Backend Node, Express, Docker, Kafka

# Database MySQL, MongoDB, Oracle

# Tools Postman, Blender

# Version Controls Github, BitBucket

# Languages Python, Java, HTML

# Achievements and Honors

In the **LeetCode Biweekly Contest 125**, attained an impressive ranking of **1006** out of global participants, demonstrating adept problem-solving skills and competitive programming expertise. **Live [](https://drive.google.com/file/d/1amwT1XM22cTE8jO31gvo15uPZLVcMpGr/view?usp=sharing)**

**2023:** Achieved the prestigious Gold Medal in the BCA Department at Presidency University, showcasing exceptional academic prowess and dedication. **Live [](https://drive.google.com/file/d/1iAcqlLFM6dnYtpakdbP3lEYwLlLpam-M/view?usp=sharing)**

**2023:** Graduated with High Honors in Computer Science from Presidency University, reflecting outstanding academic performance and a profound understanding of the subject matter.

**2022:** Secured the second-place position in the Inter-College Volleyball Championship, highlighting exceptional sportsmanship and teamwork skills in competitive sports.

# Certifications

* + - * Mastered **practical** tasks in **Agile methodologies**, including **Scrum practices** at JPMorgan Chase & Co. Demonstrated proficiency in User Stories, Backlog Refinement, Daily Standups, and **Sprint Reviews** and Retrospectives. [**Live [](https://forage-uploads-prod.s3.amazonaws.com/completion-certificates/J.P.%20Morgan/5QiaMtZ4k8ngYKn4D_JPMorgan%20Chase%20%26%20Co._gTZ7Hgjtnw73febug_1698066017681_completion_certificate.pdf)**](https://forage-uploads-prod.s3.amazonaws.com/completion-certificates/J.P.%20Morgan/5QiaMtZ4k8ngYKn4D_JPMorgan%20Chase%20%26%20Co._gTZ7Hgjtnw73febug_1698066017681_completion_certificate.pdf)
* Certificate Course in various domains from **Hackerrank**. **Live [](https://www.hackerrank.com/profile/rudy9025)**

# Interests

* I enjoy building awesome **Software as a service** (SaaS) that solve practical problems.
* When I am not coding my next project, I like to spend my time travelling or playing volleyball. And I also have interest in Data Science & RestFul APIs!

[**Online version**](http://localhost:3000)

Last updated at October 10th 2024 12:51:34 pm