RUDRESH

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

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Education

❖ **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 ⧉ **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.

  ❖ Implemented robust authentication, session management, and protected routes, enabling secure admin uploads of employee data in various formats.

  ❖ 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.

❖ **SMT Changeover Info Application** **[Techs: React, Nodejs, MySQL, Sequelize]**

  ❖ Designed a modular architecture to accommodate 14 SMT lines, implementing a data pipeline that integrates multiple tables to retrieve and display critical changeover information.

  ❖ 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.

  ❖ 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]**

  ❖ Successfully implemented SSO across various applications via Azure AD registration, enabling a cohesive and unified identity management system for enhanced user experience.

  ❖ Utilized the jwt-decode package to extract claims from ID tokens in JWT format, ensuring robust and secure authentication while safeguarding user data.

❖ **IIS Deployments** **[Techs: Microsoft IIS]**

  ❖ Executed IIS application deployments, leveraging load balancing, auto-scaling, and robust security features to ensure high availability and data protection.

  ❖ 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

❖ **LUX-Car-Rental-System | Github** ⧉ **| Live** ⧉ **[Techs: Google Oauth SSO, SQL, NextJs, Sequelize, API]**

  • Users can browse available cars, view pricing, and make bookings instantly, with real-time updates on car availability.

  • Google SSO OAuth is integrated for secure and easy login, ensuring a safe and smooth user experience.

  • Backend uses SQL hosted on Clever Cloud for reliable data management, while the entire system is hosted on Vercel for

fast performance and minimal errors. Communication between the frontend, backend is powered by Next.js API routes.

❖ **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.

Technical Skills

- ➢ **Frontend** JavaScript, React, Threejs, Next, Vite
- ➢ **Backend** Node, Express, Docker, Kafka
- ➢ **Database** MySQL, MongoDB
- ➢ **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** ⎋

2023: Achieved the prestigious Gold Medal in the BCA Department at Presidency University, showcasing exceptional academic prowess and dedication. **Live** ⎋

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** ⎋
- Certificate Course in various domains from **Hackerrank**. **Live** ⎋

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
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