

# Routhu Satya Hemesh

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## Objective:

Motivated Computer Science and Engineering undergraduate with strong fundamentals in programming, data structures, and software engineering. Hands-on experience in building web, mobile, and software applications through academic and personal projects. Seeking an entry-level or internship opportunity where I can apply my technical skills, problem-solving abilities, and continuous learning mindset to contribute to high-quality software solutions while growing professionally.

## Education:

- **ACE Engineering College, Ghatkesar, Hyderabad, Telangana.**
  - **Course:** Bachelor of Technology – Computer Science & Engineering,
  - **Duration:** 2023 – 2027
- **Sri Chaitanya Junior Kalasala, ECIL – Kamala Nagar, Hyderabad, Telangana.**
  - **Course:** Intermediate / MPC – TSBIE,
  - **Duration:** 2021 – 2023
- **Narayana E-Techno School, Kushaiguda, Hyderabad, Telangana.**
  - **Course:** Secondary Education / 10<sup>th</sup> Class – CBSE,
  - **Duration:** 2020 – 2021

## Work Experience:

### Software Development Experience ( Academic & Project – Based )

*B. Tech Computer Science & Engineering | 2023 – Present*

- Gained hands-on experience in software development through academic, mini, and self-initiated projects.
- Applied **computer science fundamentals**, including data structures, algorithms, and object-oriented programming, to design and implement practical solutions.
- Developed responsive web and application-based solutions using **Java, JavaScript, HTML, CSS, Python, C, and MySQL**.
- Followed structured development practices such as requirement analysis, modular coding, debugging, testing, and documentation.
- Collaborated effectively in team environments, taking ownership of assigned tasks and delivering features within timelines.
- Used **Git and GitHub** for version control, collaboration, and maintaining clean and well-documented repositories.
- Continuously learned new tools and technologies to improve application performance, reliability, and usability.

## Projects:

### Academic Projects

#### ▪ Project – 1: **QR – Code Generator & Scanner**

*Real Time Regional Project*

- **Description:**

Built a Responsive, Offline Web App using HTML, CSS, and JavaScript to Generate QR Codes and Scan them via Image upload. Designed for Cross-Platform use with mobile-friendly UI.

- **Period:** February 2025 – June 2025

- **Tech Stack:** HTML, CSS, JavaScript, Canvas API, FileReader API, Blob & URL API's

- **Role:** Team Lead

- **Team Size:** 3

- **Live URL:** <https://satyahemesh.netlify.app/projects/qr-project>

#### ▪ Project – 2: **WordPress Deployment with Terraform & Docker**

*Course-Based Academic Project*

- **Description:** Automated deployment of WordPress with MySQL using Terraform and Docker. Provisioned containers, networks, and volumes for a portable, reproducible infrastructure setup with persistent storage.

- **Period:** March 2025 – May 2025

- **Tech Stack:** Terraform, Docker, MySQL, IaC ( Infrastructure as Code )

- **Role:** Team Lead & DevOps Engineer

- **Team Size:** 5

- **Source Code:** <https://github.com/SatyaHemesh/WordPressDeployment>

#### ▪ Project – 3: **SwadSphere ( mini\_recipe\_app )**

*Course-Based Academic Project*

- **Description:** Developed a Flutter app with Firebase Authentication for seamless user login and navigation between screens. Implemented state management and UI components using Dart to ensure smooth user experience.

- **Period:** March 2025 – May 2025

- **Tech Stack:** Dart, Flutter, Firebase

- **Role:** Team Lead – Mobile Application Developer

- **Team Size:** 3

- **Source Code:** <https://github.com/SatyaHemesh/SwadSphere---Mini-Recipe-Application>

## Projects:

### Personal Projects

- **Project – 1:           Personal Portfolio Website**
  - **Description:** Designed and developed a responsive personal portfolio website to showcase projects, skills, and certifications, with clean UI, structured navigation, and live deployment for public access.
  - **Tech Stack:** HTML, CSS, JavaScript, Netlify
  - **Time Period:** August 2025 – November 2025
  - **Role:** Solo Developer & Designer
  - **Live URL:** <https://satyahemesh.netlify.app/>
  
- **Project – 2:           To-Do List Web Application**
  - **Description:** Interactive Task Manager which Stylish UI and Smooth User experience. Allows users to add/delete task in real time with client-side logic only. Responsive design with gradient styling and Hover Effects
  - **Tech Stack:** HTML, CSS, JavaScript [ ES6 ]
  - **Role:** Solo Developer & Designer
  - **Live URL:** <https://satyahemesh.netlify.app/projects/todo-list-project>
  
- **Project – 3:           Weather Application – Visualization Dashboard**
  - **Description:** Displays real-time weather data with Chart.js using OpenWeatherMap API. Features async/await, input validation, and dynamic UI updates
  - **Tech Stack:** JavaScript ( ES6 ), HTML, CSS, Chart.js, OpenWeatherMap API
  - **Role:** Solo Developer & Designer
  - **Live URL:** <https://satyahemesh.netlify.app/projects/weather-app-project>

## Certifications:

- **Google Play Academy:**
  - Google Play Store Listing Certificate ( **October 2025 – 2028** )
  
- **Oracle:**
  - OCI 2025 Certified AI Foundations Associate ( **October 2025 – 2027** )
  - OCI 2025 Certified Generative AI Professional ( **October 2025 – 2027** )
  - OCI 2025 Certified DevOps Professional ( **October 2025 – 2027** )
  
- **CISCO Networking Academy:**
  - Python Essentials – 1 ( **October 2025** )
  - Python Essentials – 2 ( **October 2025** )
  
- **UiPath Academy:**
  - Introduction to Automation ( **March 2024** )
  - Explore Automation Development with Studio (v2022.10) ( **March 2024** )
  - Build Your First Process with Studio (v2022.10) ( **March 2024** )
  - Variables, Constants & Arguments in Studio (v2022.10) ( **March 2024** )

➤ **HP Life & HP Foundation:**

- AI For Business Professionals
- Critical Thinking in the AI Era
- Professional Networking for Career Growth

( **December 2025** )

( **December 2025** )

( **December 2025** )

➤ **NVIDIA**

- Getting Started with AI on Jetson Nano

( **December 2025** )

## **Skills:**

▪ **Core Computer Science Fundamentals:**

- Data Structures & Algorithms
- Object Oriented Programming
- Problem Solving
- Software Engineering Fundamentals

▪ **Programming Languages:**

- C
- JavaScript
- Python
- Java
- Dart

▪ **Web & Frontend Technologies:**

- HTML5
- CSS3
- Responsive Web Design
- DOM Manipulation

▪ **Mobile App Development:**

- Flutter
- Firebase Authentication

▪ **Databases:**

- MySQL
- DBMS Concepts

▪ **DevOps & Cloud Fundamentals:**

- Docker
- Terraform
- Infrastructure as Code (IaC)
- Containerization Concepts
- WordPress Deployment

▪ **Deployment Tools:**

- Git
- GitHub
- Visual Studio Code

▪ **Productivity & Collaboration Tools:**

- Microsoft 365  
(Word, Excel, PowerPoint)
- Google Workspace  
(Docs, Sheets, Slides)

## **Strength & Hobbies:**

- Quick Learner and Adaptability to new Challenges
- Positive Mindset
- Effective Team Player with Excellent
- Communication Skills
- Listening Music
- Playing Badminton
- Cooking
- Travelling & Exploring New Things

## **Extra-Curricular & Technical Activities:**

### ***Leadership & Communication***

- **Anchoring & Event Hosting**

- Hosted Multiple Events in College, Showcasing public speaking and Coordination Skills.

### ***Technical Competitions & Hackathons***

- **Smart India Hackathon ( SIH-2023 & 2024 ):**

- Participated in a national innovational challenge, collaborating on tech-based Problem Solving.

- **Code Pragnya 2024:**

- Participated in ACE Engineering College's Intra-College Coding Competition.

### ***Seminars & Academic Exposure***

- **Kalam's Institute Seminar ( Vignan Vaibhav 2025 ):**

- Attended a national Seminar by DRDO & Kalam's Institute on Innovation and Research.

### ***Educational & Institutional Visits***

- **National Unity Day Visit – Rashtrapati Nilayam**

- Participated in an educational visit to Rashtrapati Nilayam as part of National Unity Day celebrations, gaining awareness of India's constitutional heritage, unity, and national values.

### ***Technical Fests & Workshops***

- **DATAFEST 2025 – Anurag University**

- Actively participated in a two-day technical fest featuring events such as Data Hunt, Analytics Court Room, and Excel Olympiad, promoting data-driven thinking, teamwork, and analytical skills.

## **Declaration:**

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

**DATE:** 02 – January – 2026

**Place:** Hyderabad, Telangana



ROUTHU SATYA HEMESH