**Surya Teja Panduri**

Hyderabad, Telangana-500086 **|** +(91)-**8341802939** **|** [suryapanduri2939@gmail.com](mailto:suryapanduri2939@gmail.com?subject=Email) **|** [LinkedIn](https://www.linkedin.com/in/suryap2/) **|** [GitHub](https://github.com/SuryaPanduri)

**PROFILE SUMMARY**

Full Stack Developer with hands-on experience in building **scalable, high-performance web applications** using **React.js, Next.js, Node.js, NestJS, and PostgreSQL**. Skilled in designing clean, user-focused interfaces and developing secure, efficient backends with strong database design. Passionate about solving problems end-to-end, optimizing system performance, and writing maintainable code. Thrive in **collaborative, fast-paced environments**, contributing through code reviews, agile teamwork, and innovative solutions that deliver real business impact.

**EXPERIENCE**

**Full Stack Developer**

***Kops IT Solutions,*** *Hyderabad* ***| Nov 2023 – Present***

* Spearheaded the development of scalable full-stack applications using **NestJS** and **PostgreSQL**, ensuring robust performance and maintainability.
* Engineered and optimized **RESTful APIs** and database schemas, improving data retrieval efficiency and system reliability.
* Implemented **secure authentication and authorization** with **JWT and role-based access control**, reducing unauthorized access incidents.
* Developed **reusable frontend components** for dynamic modules, cutting future development effort by **30%**.
* Improved **application performance and SEO**, reducing load times by **25%** and increasing visibility in search results.
* Participated in **code reviews, debugging, and testing**, ensuring high code quality and adherence to best practices.
* Collaborated in **agile sprints** with cross-functional teams, consistently delivering features on schedule and meeting client requirements.

**Full Stack Developer Intern**

***Krishna Enterprises,*** *Hyderabad, IN |* ***MAY 2023 – NOV 2023***

* Led development of a real-time inventory management website for a tiles organization.
* Created user-friendly website, improving usability for individual users and the organization.
* Engineered an efficient tracking system for shop owners' inventory with insightful sales **data visualizations**.
* Utilized **Node.js, Express, HTML, CSS, JavaScript**, and Bootstrap to deliver a high-quality product.

**SKILLS**

**Technical Skills :**

* **Frontend:** React.js, Next.js, HTML5, CSS3, JavaScript (ES6+), Responsive Web Design, Component-Based Development
* **Backend & APIs:** Node.js, NestJS, Express.js, RESTful API Development, Authentication & Authorization (JWT, RBAC), MVC Architecture, API Performance Optimization, Error Handling & Logging
* **Languages:** Java, JavaScript (ES6+), TypeScript, C
* **Databases:** PostgreSQL (Schema Design, Query Optimization, Joins), MySQL, MongoDB
* **Cloud & Deployment:** AWS (EC2, S3, RDS, Lambda), Docker, Kubernetes, Railway, Netlify, Render, Serverless Architecture, CI/CD Basics
* **Tools & Collaboration:** Git, GitHub, VS Code, Eclipse, Postman, Debugging, Agile Methodologies, Code Review & Version Control Workflows

**EDUCATION**

**SRKR Engineering College** | Bhimavaram, IN

Bachelor of Technology in **Information Technology**

**05/2023**

**GPA: 7.21 CGPA**

**PROJECTS**

**Project I**

**INVENZO**: Asset Tracking & Management Web Application

* Developed a full-stack asset tracking application to manage asset inventory, checkouts, and user roles.
* Designed and implemented a secure authentication flow with JWT and role-based access control for **Admins, Managers, and Viewers**.
* Integrated **Node.js, Express.js, and MySQL** for backend operations, enabling CRUD functionalities for assets, users, and checkout records.
* Created a responsive dashboard using **HTML, CSS, JavaScript, and Bootstrap**, dynamically rendering UI elements based on user roles.
* **Deployment:** [Live Demo](https://invenzo.onrender.com/) | **Code:** [GitHub](https://github.com/SuryaPanduri/invenzo)

**Project II**

**MFA-MERN**: Multi-Factor Authentication Web Application

* Built a secure full-stack authentication system using **MERN (MongoDB, Express.js, React, Node.js)** with email-based OTP verification.
* Implemented **multi-factor authentication (MFA)** flow with session handling, OTP resend, and expiration mechanisms.
* Integrated **Mailtrap SMTP** service to send one-time passwords during login for enhanced security.
* Developed a responsive **React frontend** with OTP input fields, session-based redirects, and dashboard access control.
* Deployed the backend on **Render** and frontend on **Vercel**, enabling live access with cloud-hosted MongoDB Atlas database.
* **Deployment:** [Live Demo](https://mfa-mern.vercel.app/login) | **Code:** [GitHub](https://github.com/SuryaPanduri/mfa-mern)

**Project III**

**plagiSense**: Text & Image Plagiarism Detection System

* Led a **5-member team** to build plagiSense, a plagiarism detection system for both text and images, using **Longest Common Subsequence (LCS)** and **Frequency Modulo Method (FMM)** algorithms for similarity analysis.
* Developed the **frontend with React.js, HTML, CSS, JavaScript, and Material UI**, creating an intuitive interface with dashboards, upload modules, and real-time plagiarism reports.
* Built the **backend with Node.js and Express.js**, implemented **JWT authentication** and **role-based access**, and integrated **MongoDB** for scalable data storage.
* Designed plagiarism reports to display **similarity percentages with highlighted matched content**, supporting multiple file formats.
* Ensured **accuracy and reliability** by testing across diverse datasets and file types, achieving consistent performance for both **text and image plagiarism detection**.

**CERTIFICATIONS**

* Meta Front-End Developer -**Coursera**
* Core Java, SQL, Linux (JSL) **– Frontlines EdTech**
* AWS Fundamentals **– HMI Engineering Services**