

## Professional Summary

Full-Stack Developer with 3+ years of experience building **scalable MERN, Angular, and Python-based applications** for government, insurance, telecom, FMCG, and manufacturing clients. Specialized in **Agentic AI systems, document intelligence, dashboards, and automation workflows**. Hands-on expertise in React, Angular 19, Node.js, Express.js, Python, and Azure for deployment, MSAL authentication, and role-based access control. Experienced in integrating **RAG, multi-agent LLM systems, Generative AI chat assistants, document comparison systems, Power BI embedded analytics, and enterprise-scale dashboards**. Proven track record of delivering production-ready UIs, cost-optimized AI workflows, and data-driven applications used by millions of users.

## Core Skills

- **Programming:** JavaScript, TypeScript and Python.
- **Frontend:** React.js, Angular, Redux, Material-UI, Bootstrap, HTML5, CSS3, TailwindCSS.
- **Backend:** Node JS, Express JS.
- **Database:** MongoDB, NoSQL
- **Tools & Platforms:** Git, Power BI, VS Code.
- **Auth / Security:** Azure MSAL, JWT, RBAC and Secure API Integration.
- **Cloud & DevOps:** Microsoft Azure (Static Web Apps, Web Apps, RBAC, AD Authentication, App Registrations, API Permissions) and Git.

## Key Achievement

- Improved UI performance by **35%** by building reusable components, optimizing rendering, and implementing responsive layouts across Angular & React applications, including dynamic tables, dashboards, and AI agent chat screens.
- Enhanced backend efficiency by **40%** through optimized APIs, scalable data pipelines, and faster time-series filtering using Python & Node.js, ensuring secure and reliable processing for AI-driven workflows.
- Increased AI feature adoption by **50%** by integrating ChatGPT, Gemini, and Bolt-based agentic workflows (RAG, summarization, conflict detection, Q&A).

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## Work Experience

Developer | Tata Consultancy Services Limited | Hyderabad

February 2022 – Present

### AI Tender Advisor – POC (Agentic AI | Document Intelligence | TCS)

*React, Redux, Rechart, TailwindCss and Python*

- Designed and developed an **Agentic AI system** for automated tender analysis, enabling multi-step reasoning across documents, corrigendums, annexures, and technical specifications.
- Built responsive UI screens using Angular and Tailwind CSS, including dynamic tables, AI agent dashboards, and an interactive chat interface for real-time Q&A.
- Implemented **document conflict detection**, **clause comparison**, and change tracking to identify inconsistencies between tender versions and provide auditors with actionable insights.
- Implemented **document conflict detection**, **clause comparison**, and change tracking, providing auditors with actionable insights and reducing manual review effort.
- Developed AI-powered **Q&A and summarization pipelines** using RAG workflows, delivering accurate, citation-backed answers and concise summaries for eligibility, compliance, and financial terms—cutting review time by **70%**.
- Automated key parameter extraction and corrigendum impact analysis, highlighting risks and changes to bidder requirements, improving transparency and decision-making.

### Water Treatment Copilot | UK-based Water Utility Organization | NWL

*React, Redux, Rechart, TailwindCss and Python*

- Transformed traditional water treatment workflows into **AI-enabled processes**, driving operational efficiency and measurable cost savings.
- Developed and optimized UI screens using **React, Redux, Tailwind CSS, and Recharts**, delivering responsive dashboards and interactive visualizations for real-time water treatment metrics.
- Built backend services and **integrated ML models** on SCADA system data to optimize chemical dosage, achieving **~38% reduction in chemical usage** and minimizing manual intervention.
- Designed and implemented a **digital logging system** to replace manual operator diaries, improving **data traceability and audit readiness** across operations.
- Enhanced anomaly detection by **correlating predictive model outputs with digitized operator notes**, improving process transparency and proactive issue resolution.
- Integrated **Agentic RAG (Retrieval-Augmented Generation) workflows** to extract actionable insights from SOPs and technical manuals, enabling **on-demand support for field operators** within a secure client environment.
- **Optimized API interactions and backend logic** to ensure secure handling of operational data, reduce latency, and improve overall system reliability.

## **FMCG Customer Project**

*React, Redux, Material UI and Power BI Embedded Reports*

- Integrated **Power BI reports** into a React-based application using ReactJS and Bootstrap, significantly reducing dashboard development time and enabling seamless data visualization.
- Successfully deployed the integrated solution on a remote server, ensuring secure access and high availability for client stakeholders.
- Developed and Integrated multiple interactive Power BI reports with **save and edit modes** tailored to client requirements, delivering a functional, user-friendly experience that met all expectations.
- Improved **data accessibility and decision-making** by embedding dynamic dashboards within the application, reducing dependency on standalone BI tools.

## **Telecom Client – AI-Enhanced Dashboard Development and AI assistant**

*Angular, Bootstrap, Python, Generative AI, Agentic Workflows,*

- Developed and enhanced **multiple enterprise-grade UIs** using Angular for a leading telecom client, ensuring high performance, responsiveness, and scalability across modules.
- Integrated **Power BI embedded analytics** within Angular applications, enabling real-time KPI visualization and reducing dashboard development time by **40%**.
- Built intelligent **AI assistant chat interfaces** to assist users with data queries, report explanations, and workflow guidance, improving user efficiency by **35%**.

## **AI-Smart Factor Innovation Suite – Generative & Agentic AI (TCS POC)**

*Angular, Python, Generative AI, Agentic Workflows, Automation*

- Led and developed **6+ Generative AI and Agentic AI** use cases integrated into Angular applications, automating manual decision workflows such as issue classification, SOP lookup, root-cause analysis, and process-specific recommendations.
- Developed responsive user interfaces using **Angular and Tailwindcss**, ensuring scalability and accessibility for millions of users nationwide.
- Designed and implemented intelligent **AI assistants** capable of retrieving manufacturing guidelines, extracting insights from technical PDFs, and generating **step-by-step troubleshooting actions**, improving operator efficiency by **~45%**.
- Delivered these solutions at **TCS Innovasta**, earning **high recognition from review panels** for innovation, technical depth, and real-world applicability in manufacturing operations.
- Successfully **influenced client adoption** by demonstrating measurable productivity improvements and strong ROI, leading to integration of AI-driven features into enterprise applications.
- Enhanced application performance and reliability by optimizing **LLM workflows, reducing response latency**, and ensuring secure handling of manufacturing documents and SOPs.

## **Insurance Domain – Generali Customer Project**

*React, Redux, Material UI, Python, GPT/LLMs*

- Engineered fully responsive and optimized UI screens using **React, Redux, and Material-UI**, significantly improving customer experience and reducing UI-related defects across insurance workflows.
- Integrated an AI-powered conversational assistant leveraging **GPT prompts with auto-complete, auto-suggest, and context-aware responses**, accelerating query resolution and reducing manual support overhead.
- Developed a GPT-based PDF Intelligence Module to extract structured data from policy documents, delivering **accurate, citation-backed answers** for coverage details, exclusions, benefits, and premium terms.
- Implemented agentic AI workflows for automated request classification (policy lookup, claim details, renewal status), improving response accuracy and reducing operational handling time by **~40%**.
- Optimized system performance and reliability by streamlining API interactions, managing prompt flows, and ensuring secure handling of sensitive policy documents.

## **Indian Government – ECI (NVSP, NGSP, ETPBMS)**

*React, Redux, Material UI, BootStrap*

- Developed and delivered responsive user interfaces for multiple government portals using **React, Redux, Bootstrap, and Material-UI**, ensuring scalability and accessibility for millions of users nationwide.
- **Implemented module-specific solutions:**
  - **NVSP** – voter registration and information services.
  - **NGSP** – grievance submission and tracking system.
  - **ETPBMS** – secure workflows for electronically transmitted postal ballots.
- Optimized performance and reliability by conducting **rigorous testing** and resolving **critical live server issues**, ensuring uninterrupted service for high-traffic government platforms.
- Collaborated with cross-functional teams to meet strict deadlines while adhering to **government security and accessibility standards**.
- Enhanced user experience through responsive design and reusable UI components, improving portal usability and reducing development time.

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## **Education**

Nalla Narasimha Reddy Education Society's Group of Institution.

Bachelor of Technology | CGPA - 6.88

**Aug 2017 – Sep 2021**