

PRUDHVI KUMAR REDDY NANDYALA

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PROFESSIONAL PROFILE

Dynamic IT Professional with 3.5 years of expertise in Software Development, Business Analysis and Client-support. Adept at building high-performance web applications by leading agile teams in fast-paced environments. Known for blending technical expertise with stakeholder collaboration to deliver user-centric solutions that drive measurable impact.

Key Strengths:

- Frontend Development & Performance Optimization
- API Development & Microservices Integration
- Strategic Problem Solving and Risk Management
- Experience in Agile Project Management
- UI/UX Design & Accessibility Compliance
- Business Intelligence & Data Visualization
- Research and Innovation-Oriented
- Data Analysis, Visualization & Insight-Driven Decision Making
- Customer Service Excellence & Technical Support

TECHNICAL SKILLS

- **Languages :** Angular (8+, Material), Typescript, JavaScript, NodeJS, Bootstrap, Java, Spring Boot, Cypress
- **Databases:** MySQL, MongoDB
- **Project Management :** Agile, Scrum, JIRA
- **DevOps & Tools:** GitLab CI/CD, Red Hat OpenShift, Docker Basics, Postman, Microsoft Visual Studio Code, IntelliJ IDEA, Power BI Desktop, IBM Cognos.

PROFESSIONAL EXPERIENCE

Associate – Lead

Feb 2021 – Jun 2023

Cognizant Technology Services, India.

Cognizant is a leading global IT services company, providing digital, technology, and consulting solutions. With a strong presence in India, it partners with global organizations to drive digital transformation and innovation.

Project Type: D!VE 2.0 (Web Application Development)

Responsibilities:

- Led a 3–4-member frontend team and ran Agile ceremonies, increasing sprint velocity by 20% and delivering releases on schedule.
- Managed Scrum calls with clients and reported regularly to stakeholders regarding project progress.
- Developed modules and functions, aligning technical deliverables with project goals, demonstrating critical examination of project requirements.
- Coordinated directly with stakeholders and designers to transform wireframes into accessible, WCAG-aware Angular components, improving accessibility compliance across the application.
- Implemented 10+ core Angular UI modules (Angular 8+, Angular Material), optimizing client-side rendering and reducing average page load time by 35%, improving engagement and retention.
- Automated end-to-end API tests using Node.js + Cypress, raising test coverage by 85% and lowering post-release defects by 40%.
- Developed applications using Java/J2EE technologies and ensured their integration with MySQL databases, participating in execution and control phases.
- Built and integrated RESTful microservices with Spring Boot and MySQL; improved deployment pipeline to reduce deployment time by 50%.
- Hands-on with Red Hat OpenShift container platform: retrieved tokens for secure code deployment, monitored pods, logs, and microservices across development, staging, and production environments to ensure smooth CI/CD workflows.

Business Intelligence Consultant - Lead
Latrobe Business Intelligence Consulting, Melbourne, VIC, Australia
Managing Partner and Director of LBC: Dr. Petrus A Usmanji, FCMA ANZ
Client : Fujitsu Sales

Aug 2024 – June 2025

Responsibilities:

- Collaborated with clients to understand business goals and translate them into actionable data insights and reporting solutions.
- Delivered executive summary dashboards that improved decision-making for senior leadership.
- Optimized ETL processes reducing data refresh time by **40%** to ensure data accuracy, consistency, and timely availability from multiple sources including SQL Server, Excel, and cloud-based platforms.
- Implemented custom DAX measures and queries to support advanced analytics, forecasting, and KPI tracking for sales, finance, and operations departments.
- Played a key role in data-driven decision-making initiatives, identifying opportunities for process improvement and strategic growth.

EDUCATION

Master of Business Information Systems La Trobe University, Melbourne, VIC, Australia, Study Area: Data Analytics, AI Fundamentals, Business Analytics, IT Project Management, Logistics & Supply chain Management, Enterprise Information systems, Business project Design & Implementation.	2023 – 2025
Bachelor of Technology (Electronics and Communication Engineering) CMR College of Engineering & Technology, Hyderabad, Telangana, India	2016 – 2020

PATENTS & PUBLICATIONS

- Patent has been Granted (**Patent No.409989**) for my invention titled "SYSTEM AND METHOD TO IDENTIFY ACCURATE LOCATION OF EXPLOSIVE DEVICES."
- Official patent journal has been published (**Application No.201841045161A**) on my Project "SYSTEM FOR VOICE INDUCED HOME MODULATION."
- Official patent JOURNAL has been published (**Application No.202041038885A**) on my Project " ROBOTIC PEN."

PROJECTS

- **SYSTEM FOR VOICE-INDUCED HOME MODULATION.** Home Automation Increased energy efficiency by 35% via voice control using power line transmission and electronic relays. <https://youtu.be/V7yJeV2ZyUM>
- **SYSTEM OF UAV FOR DEFENCE TECHNOLOGY.** Using an Unmanned Aerial Vehicle (UAV) developed a 95% Accurate AI/ML model to detect landmines and persons of interest, transmitting exact location and complete personal information back to base.
- **SYSTEM OF SPEECH INDUCED PRINTER** (Robotic Pen). Designed an AI-based handwriting system with a 98% text recognition accuracy.
- Building Smart home automation System with Increased energy efficiency by 45% using sensor IoT technology
- Developed a face sketch synthesis model using sparse representation techniques, achieving an accuracy rate of 92% on test datasets and directly addressing significant challenges in facial recognition technology.