

# NANDYALA PREETHAM

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## Professional Summary

Backend-focused Full Stack Developer with experience building scalable MERN applications and backend systems. Strong foundation in RESTful APIs, authentication, authorization, databases, and real-time communication. Demonstrates strong problem-solving skills and the ability to learn and adapt quickly.

## Technical Skills

- Languages:** Java, Python, JavaScript
- Frontend:** HTML5, CSS3, React.js, Next.js
- Backend:** Node.js, Express.js, REST APIs
- Databases:** MongoDB, MySQL
- Tools & Concepts:** Git, GitHub, JWT, RBAC, Socket.IO, Docker

## Professional Training

### Full Stack Web Development — TalentSprint (Part of Accenture)

2025 – Present

- Building full-stack MERN applications following clean architecture and industry best practices.
- Designing RESTful APIs with authentication, authorization, and database integration.

## Projects

### ProConnect – Professional Networking Application [GitHub]

2025

React.js, Next.js, Node.js, Express.js, MongoDB, JWT, Socket.IO

- Engineered a networking application featuring JWT-based authentication, user profiles, and media sharing.
- Architected real-time one-to-one messaging using Socket.IO to achieve low-latency, persistent communication.
- Optimized backend APIs and MongoDB queries to ensure data consistency and reduce response times.

### RTL Vault – Verilog Code Simulation System [GitHub]

2025

Next.js, React.js, Node.js, Express.js, Docker, JWT, RBAC

- Built a containerized system using Docker to run and simulate Verilog code in an isolated environment.
- Enforced RBAC and JWT policies to strictly control user access and protect simulation workflows.
- Designed scalable backend services to handle concurrent code submissions and automated result processing.

### SkillForge – Learning & Assessment Platform [GitHub]

2026

Next.js, Node.js, React.js, JWT, RBAC, Socket.IO

- Developed a comprehensive web solution for aptitude preparation and live coding assessments.
- Implemented granular permissions via RBAC to manage students, tests, and administrative dashboards.
- Integrated Socket.IO to broadcast assessment events and synchronize client state in real time.

## Education

### B.Tech in Computer Science and Engineering

2025 | CGPA: 6.98

Lovely Professional University

### Intermediate (MPC)

2019 | Marks: 900

Narayana Junior College

## Certifications

- Java Programming (Beginner to Advanced) — Apna College
- Full Stack Web Development (MERN Stack) — Apna College

2023

2025

## Languages

English (Professional), Telugu (Native)