

Maddipati Puneet Janakiram

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EDUCATION

Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering – CGPA: 7.89/10

Vellore, India

August 2023 – Present

EXPERIENCE

Dreamstep Software Innovations Pvt Ltd

Backend Development Intern

May 2025 – July 2025

Node.js, Express, SQL, JWT

- Developed RESTful APIs using Node.js and Express for web and mobile applications with secure JWT authentication.
- Implemented SQL database operations into backend systems.

PROJECTS

Workspace Hub-API [github](#)

2025

Production-grade Node.js/TypeScript backend for workspace & task management Node.js, TypeScript, JWT, Redis, Jest

- Built a production-grade Node.js/TypeScript backend featuring strict 3-tier RBAC (Owner/Admin/Member) and full task lifecycle with real-time commenting.
- Secured via JWT + Redis refresh tokens, Zod schemas, and achieved strong integration test coverage with Jest & Supertest (critical auth & permission flows 100% passing).

Restaurant Review API [github](#)

2025

Restaurant review platform with advanced Redis features

Node.js, TypeScript, Express, Redis

- Developed a restaurant review platform using Node.js, TypeScript, Express & advanced Redis (RedisJSON, RediSearch, RedisBloom).
- Featured full-text search, Bloom filter deduplication, sorted-set ratings, set-based cuisine filtering, list-stored reviews, and TTL caching.

Event Booking Management System [github](#)

2025

RESTful API with transactional booking and email notifications

Node.js, Express, MySQL, JWT

- Built with Node.js, Express, and MySQL featuring JWT authentication, role-based access control, transactional booking with seat management, and email notifications.

Task Manager API [github](#)

2025

TypeScript/Express REST API with Redis caching and async processing

TypeScript, Express, Redis, BullMQ, JWT

- Implemented Redis caching (Cache-Aside pattern), BullMQ background workers for async processing, and JWT authentication with refresh tokens.

ACHIEVEMENTS

IBM DevOps Fundamentals, Agile & Design Thinking

2025

Certification covering CI/CD pipelines, automation tools, and agile workflows

IBM

- Gained practical knowledge of DevOps practices, Agile methodologies, and design thinking frameworks.
- Strengthened skills in modern software engineering practices and iterative project delivery.

TECHNICAL SKILLS

Languages: C, C++, Python, TypeScript, JavaScript, Java

Frameworks & Libraries: Node.js, Express.js

Databases: PostgreSQL, MySQL, MongoDB, Redis

DevOps & Tools: Git, GitHub, Linux, Docker, Jest, Supertest

Concepts: REST API Design, JWT Authentication, Role-Based Access Control (RBAC), Redis Caching, Message Queues (BullMQ), SQL & NoSQL Databases, CI/CD, Agile Methodologies