

Gade Navaneeth

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

Summary

Backend developer specializing in Node.js, NestJs, Express.js, Prisma ORM and PostgreSQL with production experience building real-time systems, REST APIs, and AI-integrated services. Published ML researcher (SCITEPRESS 2026). Delivered scalable backend infrastructure handling concurrent WebSocket connections across distributed server instances.

Education

Institute of Aeronautical Engineering

B.Tech, Computer Science and Engineering

CGPA: 8.0/10

Nov 2021 - June 2025

Skills

Languages: JavaScript, Python, TypeScript, SQL

Frontend: ReactJs, HTML5, CSS3

Backend: NodeJS, NestJs, ExpressJS, REST APIs, JWT Authentication, Prisma ORM

Databases: PostgreSQL, MySQL, MongoDB, Redis

Tools: Git, GitHub, GitHub Actions, Postman

Cloud: AWS (EC2)

Methodologies: Agile, CI/CD (GitHub Actions)

Work Experience

8MH Organic – Backend Intern (Remote)

Mar 2025 – Aug 2025

- Architected and deployed secure REST API services using Node.js and Express.js, implementing JWT-based authentication middleware protecting all write endpoints from unauthorized access.
- Designed SQL databases, writing optimized queries for product data retrieval and user management operations.
- Engineered an NLP-powered AI chatbot integration that parsed user intent via external API, mapped intents to backend actions, and executed real-time website content modifications

Projects

Real-Time Chat API | [Link](#)

Jan 2026 - Mar 2026

- Built a scalable real-time messaging backend using ExpressJS, Socket.IO and Redis
- Designed a room-based chat system with PostgreSQL persistence via Prisma ORM.
- Integrated Redis pub/sub for scaling WebSocket connections across multiple instances.

Url Shortener With Analytics | [Link](#)

May 2026

- Built a Production-ready Url-shortener using NestJs, TypeScript, PostgreSQL, Prisma ORM and Redis.
- Implemented Url generation with optional custom aliases and analytics to track total clicks and daily click statistics. Implemented CI/CD pipeline using Github Actions for automation Workflows.
- Integrated Redis caching and rate limiting for performance optimization and protection.

FullStackTodo | [Link](#)

Feb 2024 - Mar 2024

- Built a full-stack task management application with frontend and Node.js/Express backend, implementing stateless JWT authentication ensuring user data isolation with server-side on every request.

Publications

- A Personalized Healthcare Model for Air Pollution Monitoring and Prediction Using Machine Learning – SCITEPRESS (2026) | [Paper](#)

Professional Certifications

- Developing Back-End Apps with Node.js and Express – IBM (2025) | [Link](#)
- Database Design and Basic SQL in PostgreSQL - University of Michigan (2025) | [Link](#)