

Gade Navaneeth

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

Summary

Backend developer specializing in Node.js, Express.js, 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

Nov 2021 - May 2025

CGPA: 8.0/10

Skills

Languages: JavaScript, Python, TypeScript

Frontend: HTML, CSS

Backend: NodeJS, ExpressJS, REST APIs, JWT Authentication

Databases: PostgreSQL, MySQL, MongoDB, Redis

Tools: Git, GitHub, Postman

Cloud: AWS (EC2)

Methodologies: Agile, CI/CD

Work Experience

8MH Organic – Backend Intern (Remote)

Mar 2025 – Jun 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.

User Management API | [Link](#)

July 2024

- This is a user management API which consists of all API requests that can be sent to the user using Postman.
- In this, each API request is authenticated using JWT.
- The testing was done by using Jest and Supertest tools.

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](#)
- Cloud Computing and AWS Fundamentals - Udemy (2024) | [Link](#)