

NILESH GORADE

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EDUCATION

Master of Computer Applications, Dr. Vishwanath Karad MIT World Peace University Aug 2024 – Present
Pune, India CGPA: 9.33 / 10.00

Bachelors in Computer Science, Dr. Vishwanath Karad MIT World Peace University Jun 2021 – Jun 2024
Pune, India CGPA: 9.93 / 10.00

SKILLS

Languages	Java, Python, C++, JavaScript, SQL
Frameworks	Spring Boot, React.js, Node.js, Express.js
Databases & Tools	PostgreSQL, MySQL, Git, GitHub, Postman, Azure, IntelliJ
Backend	RESTful APIs, Microservices, OAuth 2.0, MVC Architecture

PROJECTS

Auth-as-a-Service (AaaS) Mar 2025 – Present
Spring Boot, PostgreSQL, OAuth2, JWT, Next.js, Tailwind CSS

- Built a production-ready authentication system supporting OAuth2 (Google/GitHub), role-based access control (RBAC), and secure credential hashing via BCrypt.
- Designed a robust JWT token lifecycle with refresh and revoke logic; ensured consistent token validation under 150ms latency for 5000 active sessions.
- Developed a responsive and modular admin/user dashboard using Next.js, enabling secure and seamless onboarding across 3+ internal applications.

Carbon Coal Control, Full-Stack Application Sep 2024 – Dec 2024
Node.js, Express.js, MySQL, REST APIs, JavaScript

- Led a 4-member team to architect and deploy a real-time platform for monitoring industrial CO₂ emissions, automating over 80% of manual reporting workflows.
- Integrated threshold analytics and carbon credit computations into intuitive dashboards, improving emission compliance accuracy by 25%.
- Designed scalable REST APIs managing 10K+ emission records monthly, optimized with schema design and indexed queries for sub-second performance.

Network Bandwidth Forecasting using LSTM May 2024 – Jun 2024
Python, Keras, NumPy, Matplotlib, Scikit-learn

- Built and fine-tuned an LSTM-based deep learning model to predict bandwidth trends, achieving MAE of 0.91 and RMSE of 1.02 on real-world Mbps datasets.
- Visualized predicted vs. actual bandwidth with Matplotlib, enabling anomaly detection and proactive infrastructure scaling in high-traffic simulations.

AWARDS AND ACHIEVEMENTS

Silver Medalist for securing 2nd rank in university with a CGPA of 9.93.

Solved **500+ DSA problems** across LeetCode, GFG, and HackerRank showcasing strong problem-solving and algorithmic skills.

Hackathon Finalist at Suryadatta College 2025 and **Runner-up** at MIT-WPU Hackathon 2022 for innovative project development.

Built a strong technical presence on LinkedIn with **200K+ post impressions**, consistently sharing insights, learnings, and project experiences.