

HIMANSHU SAINI

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📁 Portfolio

in LinkedIn

🐙 Github

EDUCATION

Graphic Era Hill University, Dehradun

B.Tech in Computer Science and Engineering

Sep 2021 – Jun 2025

- CGPA: 7.95 / 10.0
- **Coursework:** Data Structures & Algorithms, Operating Systems, Object-Oriented Programming

Nav Jeevan Mission School, Kushinagar

Senior Secondary (Class 12)

Apr 2019 – May 2020

- Percentage: 81.6%

Nav Jeevan Mission School, Kushinagar

Secondary (Class 10)

Apr 2017 – Mar 2018

- Percentage: 88%

PROJECTS

AI-Powered Diagnostic Platform with Web Access

Jan 2025 – Apr 2025

Tools Used: *React.js, Node.js, TensorFlow, CNN, ANN, WebSocket, JWT*

[Project Link](#) 🔗

- Engineered a full-stack diagnostic platform used by 100+ simulated users to predict diseases using TensorFlow CNN/ANN models with 85% accuracy.
- Integrated real-time chat using WebSocket and secured user sessions with JWT-based authentication and role-based access.
- Streamlined patient-doctor interaction through AI-based prediction, appointment booking, and secure communication.

Quiz Application – Spring Boot Microservices Platform

Feb 2025 – Apr 2025

Tools Used: *Spring Boot, React.js, PostgreSQL, Docker, Eureka, API Gateway*

[Project Link](#) 🔗

- Engineered a scalable quiz app with 3 Spring Boot microservices, React frontend, and PostgreSQL database hosted on Render.
- Enabled 200+ concurrent quiz attempts with service discovery (Eureka) and API Gateway routing; containerized with Docker.
- Integrated admin and user roles with autogenerated quizzes based on difficulty and topic, along with real-time scoring logic.

Smart Employee Manager – Employee Management System

Jan 2023 – Mar 2023

Tools Used: *Java Swing, MySQL*

[Project Link](#) 🔗

- Designed and developed a desktop CRUD application for managing 500+ employee records using Java Swing and MySQL.
- Implemented modular UI components for adding, deleting, updating, and viewing employee data with persistent storage.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL

Technologies: Spring Boot (Basic), Node.js, React.js, Machine Learning

Tools & Frameworks: Git, GitHub, VS Code, Jupyter Notebook, Cloud Computing (AWS - Basic)

Databases & Systems: MySQL, MongoDB, Docker (Basic)

ACHIEVEMENTS / CERTIFICATIONS

Solved 350+ Algorithmic Challenges – LeetCode

[LeetCode Profile](#) 🔗

- Strengthened core skills in DSA by solving **350+ problems** across arrays, trees, DP, and graphs; ranked in top 10% in several contests.

Java Spring Framework 6 with Spring Boot 3 – Udemy

[Certificate Link](#) 🔗

- Built and deployed enterprise-grade microservices using Spring Boot, REST, JPA, Security, Docker, and Spring Cloud tools.

Deep Learning A-Z™: Hands-On Artificial Neural Networks – Udemy

[Certificate Link](#) 🔗

- Trained CNN and ANN models achieving **80–85% accuracy** on real-world datasets for image and sentiment classification tasks.

Complete A.I., Machine Learning & Data Science Bootcamp – Udemy

[Certificate Link](#) 🔗

- Gained proficiency in Python, NumPy, Pandas, Scikit-learn, and TensorFlow through 30+ hands-on projects across ML and data science.