

Vinay kumar

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PROFILE

Detail-oriented Java Developer with strong foundation in backend systems and cloud-based data solutions.

- Proficient in building scalable Java applications with Spring Boot, integrating APIs, databases, and cloud services like GCP and AWS.
- Passionate about solving complex problems using multithreading, data structures, and automation while ensuring clean, maintainable code.

EDUCATION

Master of Computer Applications (MCA)

SGT University – Gurgaon, India | Aug 2022 – May 2024

Bachelor of Computer Applications (BCA)

SGT University – Gurgaon, India | Aug 2019 – May 2022

SKILLS

Programming & Backend: Java, Spring Boot, REST API, Python

Frontend: HTML, CSS, JavaScript




CS Fundamentals: Data Structures, Algorithms, OOP, Operating Systems, Computer Networks

Tools & Platforms: Git, GitHub, Postman, GCP, Docker (Basics)

Libraries/Frameworks: JDBC, TensorFlow, NLTK, OpenCV

Languages: English, Hindi

PROJECTS

-  Quiz App – Spring Boot & React
Developed a full-stack quiz application using Spring Boot (backend) and React.js (frontend).
 - Implemented REST APIs for question CRUD, timer-based quiz logic, and scoring system.
 - Used Spring Security for basic authentication and React Router for client-side navigation.
 - Hosted backend on GCP and frontend via GitHub Pages for demo access.
-  Stress Detection – Machine Learning
Built an ML pipeline to classify stress levels from text input.
 - Applied NLTK and TensorFlow for preprocessing and model building.
 - Achieved accurate stress prediction using SVM and LSTM models.
-  Real-Time Sign Language Detection – Python
Used OpenCV and TensorFlow to detect hand gestures and translate them to text.
 - Processed custom dataset of 100+ gesture images per sign.
 - Built to bridge communication gaps for hearing-impaired individuals.

ACHIEVEMENTS

- 1st Position at TechFest “Pardarshan” – 2021
- 2nd Position at TechFest “Pardarshan 2.0” – 2023
- Participant at Synergy Fest – 2023