

SHYANS KUMAR

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Education

National Institute of Technology, Jamshedpur

Master of Computer Application — CGPA - 7.47

Aug 2022 – May 2025

Jamshedpur, Jharkhand

RPS College, Patna

Bachelor of Science Mathematics — Percentage - 60.13%

Aug 2018 – May 2021

Patna, Bihar

Presidency Global School, Patna

Intermediate — Percentage - 69.6%

Jun 2015 – Jun 2018

Bihar, India

Sinha Model High School

Matriculate — CGPA - 10.0

Jun 2014 – Jun 2015

Bihar, India

Projects

Library Management System | Python, Streamlit, MySQL

- Developed a responsive web application to manage books, users, and transactions efficiently with real-time updates.
- Implemented secure login, issue-return system, and admin panel for smooth library operations.

Employee Management System | Python, Streamlit, MySQL

- Built a dynamic platform to manage employee data, attendance, and payroll for HR automation.
- Integrated role-based access, dashboards, and analytics for better employee tracking.

Face Detection System | Python, OpenCV, TensorFlow, CNN, Streamlit

- Created a real-time face recognition system using CNN and deep learning for accurate identification.
- Enhanced performance through OpenCV integration and live video feed processing.

Drowsiness Detection System | Python, OpenCV, TensorFlow, CNN, Streamlit

- Designed a computer vision-based alert system that detects driver fatigue and prevents accidents.
- Implemented CNN and facial landmark detection to trigger real-time safety alerts.

Sentiment Analysis | Python, NLP, Pandas, Streamlit

- Developed an NLP-based model to classify text sentiments and analyze user opinions effectively.
- Performed preprocessing, tokenization, and visualization of sentiment data in the UI.

Amazon Review System | Python, NLP, Pandas, Streamlit

- Built a web platform to analyze and summarize Amazon product reviews using sentiment analysis.
- Displayed categorized results and insights through an interactive Streamlit interface.

Technical Skills

Languages: C, C++, Python

Databases: MySQL

Machine Learning : Supervised, Unsupervised Learning, Model Evaluation & Optimization

Deep Learning: ANN, CNN

Technologies, Tools & IDE: HTML, CSS, Git, GitHub, Colab, Anaconda, Notepad

Coursework: OOP, DBMS, DSA, Operating System, AI & ML Foundations

Languages: English (Professional Proficiency), Hindi (Native and Professional Proficiency)

Achievements

Scored 95 percentile in the CAT Exam, a highly competitive national-level management entrance exam.

Codeforces: Solved 130+ problems with the contest rating of 1003(max).

LeetCode & GeeksforGeeks: Solved 200+ DSA questions.

Secured an All India Rank (AIR) of 351 out of 20,000+ participants in the NIMCET Entrance Exam for MCA

Placed 223th out of 25,000+ participants in the Codewalkerz contest conducted by Coding Ninjas.

Leadership / Extracurricular

OJASS Event Head: Successfully organized an online scavenger hunt event with over 100 participants.

SCA Coordinator: Designed and conducted coding contests in college, boosting engagement and enhancing students programming skills.

Volunteered at the institute's Convocation Drive, assisting with event coordination, logistics management, and attendee support to ensure efficient and seamless operations.