Nikhil

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PROFESSIONAL SUMMARY

B.Tech graduate in AI & Data Science from CGC Landran, highly motivated to leverage a strong foundation in Python, C, and C++ to develop impactful data-driven solutions. Demonstrated ability in building applications like student progress trackers and movie recommendation systems using MongoDB. Currently enhancing skills in R programming.

TECHNICAL COMPETENCIES

OS: Windows | WSL | Ubuntu 24.04.2
AI/ML: DeepFace | OpenCV | Machine Learning | Data Analysis | Gemini API
Languages: C | C++ | Python | R | HTML
Database: DBMS | SQL | MongoDB
Library: OpenCV | DeepFace | TensorFlow (or Keras) | Scikit-learn | Requests | python-dotenv | Pymongo | Google Gemini API (or google-generativeai)

INTERPERSONAL SKILLS

Teamwork | Speaking and Writing Skills | Problem Solving

INTERESTS & HOBBIES

Reading | Gaming | Anime | MineCraft

LANGUAGES KNOWN

English | Hindi

PERSONAL DETAILS

Mother's Name: Vidya Devi
Father's Name: Ranjit Singh
D.O.B: 04/02/2005

EDUCATION

Bachelor of Technology in Computer Science Engineering | Chandigarh Group of Colleges, Landan
Session: 2022-2026 | Score: 7.32 CGPA
Intermediate (CBSE) | GMSSS-33D, Chandigarh
Session:2021-2022 | Percentage: 78.8%
Matriculation (CBSE) | D.A.V Public Sr. Sec. School, Parwanoo
Session: 2019-2020 | Percentage: 83.4%

TRAINING & PROJECTS

Student Analyzer (Backend Developer)
Organization: Graziti Interactive, Mohali
Duration: 45 days | Team Size: 4
Environment: Windows | Languages/Database: Python / Flask / MongoDB / HTML / CSS
- Developed a Flask-based web application using MongoDB to efficiently store, analyze, and visualize CGPA data for ~5000 students, reducing data retrieval time by 40%.

Real-Time Emotion Detection System (AI/ML Developer)
Organization: Personal Project
Duration: 3 month | Team Size: 1
Environment: Windows | Languages/Database: Python / OpenCV / DeepFace / AI / ML
- Implemented a real-time facial emotion recognition system using Python, OpenCV for video capture, and the DeepFace library for accurate emotion classification.

ASTRA Robo (AI/ML Developer)
Organization: Personal Project
Duration: 3 month | Team Size: 4
Environment: Windows | Languages/Database: Python / Speech-to-Text Libs / Translation Libs / Language Detection Libs / Gemini API / Text-to-Speech Libs
- Designed and prototyped an end-to-end pipeline integrating speech recognition, language detection, translation, Gemini API processing, and speech synthesis for real-time cross-lingual conversation.

ACADEMIC ACHIEVEMENTS

- Secured 3rd position in National Science Day 2k23
- Secured 1st position in National Science Day 2k24
- Secured 1st position in Innovative Tech Hunt 2025 organized by the Visionary Mind Club at CGC College of Engineering.

CERTIFICATIONS

- Python for Data Science, AI & Development by IBM (2024)
- Introduction to Cyber Security Certification from Infosys SpringBoard (2024)
- Fundamentals of Cryptography from Infosys SpringBoard (2024)
- AI For Everyone By DeepLearning.AI (2025)
- Data Base Management System by NPTEL (2025)

EXTRA CURRICULAR & CO-CURRICULAR ACHIEVEMENTS

- Participated in Startup Thrive organized by the ACIC RISE Association, CGC Landran in collaboration with the Business Incubation Centre, IKGPTU(2024))
- Participated in Smart India Hackathon in 2023
- Participated in Ideathon-Innovation Blitz 2023 by ACIC RISE Association, CGC Landran in association with IIT Ropar-Technology and Innovation Foundation (iHub-AWaDH)
- INNOVATION TECHNIQUES USING IOT IMPLEMENTATION organized by the The Visionary Minds.