Rohan Sahu

Email: rohansahu345@gmail.com
Mobile: 8770225219
Github: github.com/rohans9
LinkedIn: linkedin.com/rohansahu97

EDUCATION

- **VIT Bhopal University** — Bhopal, India
  Bachelor of Technology - Computer Science and Engineering; GPA: 8.50 — *Aug 2022 - May 2026*
  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

- **Padmavati Vidya Mandir** — Raipur, India
  Class XII; Percentage: 97.6 — *Jun 2019 - Jul 2021*

SKILLS SUMMARY

- **Languages**: JAVA, Python, SQL
- **Frameworks**: Scikit, NLTK, SpaCy, TensorFlow, Keras, PyTorch
- **Databases & Tools**: MySQL, Apache Airflow, Docker
- **Core Competencies**: NLP Pipelines, Prompt Engineering, Model Fine-tuning, Data Preprocessing

PROJECTS

- **CyberParcel (Facial Recognition System for E-commerce)**:
  - Designed and implemented a facial recognition model to automate and secure e-commerce deliveries.
  - Developed a system using face detection and verification to ensure only authorized recipients can access deliveries.
  - **Tech:** Python, OpenCV

- **CITILENS (Crime Prediction and Visualization Platform)**:
  - Utilized AI and data analysis to predict crime hotspots, optimizing patrolling and resource allocation.
  - Visualized crime data using Google API and QGIS-3 for effective spatial analytics.
  - **Tech:** Python, Pandas, Scikit-learn, Google API, QGIS-3

- **Candidate Recommendation Model**:
  - Developed a resume recommender system ranking candidates by matching job descriptions to resumes using semantic similarity.
  - Applied NLP preprocessing, lemmatization (spaCy), and embeddings (TF-IDF, Sentence-BERT) to evaluate candidate relevance.
  - Deployed a Streamlit-based interface for real-time candidate scoring.
  - **Tech:** Python, Streamlit, spaCy, Sentence-BERT, Scikit-learn

ACHIEVEMENTS AND HACKATHONS

- **Karnataka State Police Datathon 2024**: Led a team of 4, selected among nationwide submissions to the prototype development round.
- **Bertelsmann Next Generation Tech Booster Program 2024**: Selected for the Bertelsmann Next Generation Tech Booster – Generative AI Track, among 16,000+ applicants worldwide.

VOLUNTEER EXPERIENCE

- **Event Management Team Lead at Data Science Club, VIT** — Bhopal, India
  Organized events, developed strategies, and led higher participant turnout — *Apr 2023 - Present*

- **Technical Team Lead at IoT Club, VIT** — Bhopal, India
  Conducted several offline technical workshops and exhibitions for around 300 students. — *Dec 2022 - Feb 2024*

CERTIFICATIONS

- **University of Michigan (Coursera)**: Applied Machine Learning in Python
- **SWAYAM**: Privacy and Security in Online Social Media
- **Microsoft**: DP900 - Azure Data Fundamentals