Dipesh

Email: brijeshdahiya18@gmail.com | **Phone**: +91 7496801160 | Rohtak, Haryana, India

PROFILES

LinkedIn: linkedin.com/in/dipesh-dahiya | **GitHub:** github.com/Dipeshdahiya

SUMMARY

AI/ML Engineer with hands-on experience in building and deploying machine learning and computer vision models for real-time applications. Skilled in Python, TensorFlow, SQL, and OpenCV with strong knowledge of data preprocessing, model training, and optimization. Experienced in developing end-to-end AI systems integrating full-stack applications, APIs, and cloud workflows. Passionate about delivering scalable, high-accuracy solutions for real-world problems.

TECHNICAL SKILLS

- **Programming:** Python, SQL, JavaScript
- **Machine Learning:** TensorFlow, Scikit-learn, Neural Networks, Model Training & Evaluation
- **Computer Vision:** OpenCV, Image Processing
- **Data & Analytics:** Pandas, NumPy, Power BI, Excel
- **Web & Tools:** Flask, React.js, Node.js, Git, GitHub, Jupyter, Colab, Anaconda
- **Cloud**: Google Cloud (80+ Skill Badges)
- **Databases:** MySQL, MongoDB
- **Languages**: English (Professional), Hindi (Native)

PROJECT EXPERIENCE

AI-Powered CCTV Anomaly Detection Model (GitHub Repo)   Feb 2025 – Apr 2025
Machine Learning | Computer Vision | Python | TensorFlow | OpenCV

- Automated surveillance solution detecting unusual activities in real time, reducing manual monitoring workload by 40%.
- Developed and trained a deep learning model on 500+ frame samples, achieving 83% detection accuracy.
- Designed a scalable video-processing pipeline for continuous monitoring and automated alert generation.

AI Personal Trainer (GitHub Repo)   Aug 2024 – Nov 2024
Python | TensorFlow | Flask | OpenCV | Machine Learning

- Created an AI-driven fitness assistant capable of analyzing 5+ workout types in real time.
- Enhanced model accuracy to 80% using data augmentation on 300+ custom workout frames.
- Deployed the model using Flask with real-time camera feed integration.

RemoteFlow – Notion-like Workspace (GitHub Repo)   Mar 2024 – Jul 2024
Full-Stack Development | React.js | Node.js | MongoDB | API Integration

- Built a full-stack workspace using React.js, Node.js and MongoDB, supporting 50+ users for notes, chats, and scheduling.
- Implemented responsive UI with light/dark mode and Framer Motion, improving user engagement by 25%.
- Added Speech-to-text, multi-page support, and a trash feature, reducing data loss by 30%.

EDUCATION

Chitkara University (Rajpura, Punjab) : BE in Computer Science Engineering (Artificial Intelligence)   Sept 2022 - Aug 2026

- Current CGPA: 7.91
- Relevant Coursework: *Data Science, AI/ML Techniques, Data Structures and Algorithms, Data Analytics.*

R.E.D Sr. Sec. School (Jhajjar, Haryana) : XII Non-Medical   April 2020 - April 2021

- Percentage: 91.2%

CERTIFICATIONS AND TRAINING

- **Google Analytics Certification** – Sept 2024
- **Machine Learning for Finance Certification** – Aug 2024
- **Google Cloud Arcade** — Earned **80+ skill badges** and rewards for cloud learning achievements.
- **Open Source Contributor** — Contributed to **15+ repositories** through Hacktoberfest and GirlScript Summer of Code (GSSOC).

EXTRACURRICULAR & COMMUNITY INVOLVEMENT

Content Writer & Analyst, IEEE CUIT Club   Sept 2024 – July 2025

- Produced data-driven technical content and analyzed engagement metrics, increasing community outreach by 25%.