

Devansh Pandey

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Portfolio

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EDUCATION

- Shri Govindram Seksaria Institute of Technology and Science** Indore, India
Bachelor of Technology - Computer Science July 2022 - June 2026
Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases

SKILLS SUMMARY

- Languages:** Python, JavaScript, SQL, JAVA
- Frameworks:** Scikit-learn, NLTK, SpaCy, PyTorch, TensorFlow, Keras, NodeJS, ReactJs, NextJs, OpenCV, MediaPipe
- Tools:** Docker, GIT, PostgreSQL, MySQL, Kaggle, Matplotlib, Seaborn
- Platforms:** Linux, Web, Windows
- Soft Skills:** Leadership, Event Management, Problem-solving, Writing, Public Speaking, Time Management
- Domains:** Data Science, Machine Learning

EXPERIENCE

- AI & ML Intern — YBI Foundation** Remote
ML Model Developer Intern July 2024 - Aug 2024
 - Model Accuracy Enhancement:** Boosted model accuracy by 20% via feature engineering and hyperparameter tuning on real-world datasets
 - Prompt Tuning and LLMs:** Worked with OpenAI APIs to test and tune prompts for health-focused insights using conversational datasets
 - Data Pipeline Development:** Designed and implemented robust pipelines for cleaning, transformation, and feature extraction
 - Statistical Evaluation:** Applied statistical techniques for model evaluation and explainability

PROJECTS

- CrickShot - Sports Performance Analysis (AI/ML, Pose Estimation, Recommender Systems):** Real-time cricket performance analysis using pose detection and ML. Uses Random Forest and Gradient Boosting for recommendations and skill analysis. Tech: Python, OpenCV, MediaPipe, scikit-learn, Matplotlib, PostgreSQL GitHub Repo / Live Demo (March '25)
- Hand Gesture Controlled Mouse (Computer Vision, Accessibility):** Developed a gesture-based system using OpenCV and MediaPipe to control the mouse cursor, enhancing accessibility with low-latency real-time interaction. Tech: Python, OpenCV, MediaPipe, pyautogui GitHub Repo (Dec '24)
- Resume Ranking System (NLP, LLMs, Prompt Engineering):** An AI tool that ranks resumes based on job descriptions using NLP and prompt engineering techniques. Reduced screening time by 40% Tech: Python, NLTK, OpenAI API, Streamlit GitHub Repo / Live Demo (Nov '24)
- E-commerce Clothing Classifier (Deep Learning, Image Classification):** Trained a CNN to classify clothing items and deployed it with a web interface for real-time predictions. Tech: Python, TensorFlow, Keras, Streamlit (Jan '25)
- BloodLine - Role-based Blood Donation Platform (Full Stack, Web Development, Healthcare):** A full-stack platform facilitating blood donations through donor registration, hospital requests, and real-time inventory tracking. Tech: Next.js, Express.js, PostgreSQL, Prisma, Tailwind CSS, ShadCN UI GitHub Repo (June '24)

CERTIFICATE

- Full Stack Web Development Certificate** – May, 2024 View Certificate
- Data Structures & Algorithms (Java)** – March, 2024 View Certificate
- Data Science with Python Certificate(NPTEL)** – April, 2024 View Certificate

VOLUNTEER EXPERIENCE

- Organizer - Miyawaki Forest Plantation Event** SGSITS Indore, India
Led the organization of a community-driven forest plantation drive using the Miyawaki method. Dec '23
- Participant - Smart India Hackathon** Indore, India
Built and presented "Engaging Shoe" with a team of 6, shortlisted from 4000+ entries. July 2024 - Aug 2024

COCURRICULAR ACTIVITIES

- Captain - Inter-College Cricket Team** - SGSITS Indore (Feb'24)
- Vice-Captain - District Cricket Team U-14** - Rewa (May'18)