

Sarthak Goyal

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EDUCATION

Indian Institute of Information Technology, Dharwad

2023-27

Bachelor of Technology in Computer Science and Engineering

FIELD OF INTEREST

- Machine Learning | Artificial Intelligence | Data Science | Software Engineering

TECHNICAL SKILLS

Languages: C/C++, Python

Developer Tools: Git, Linux, Docker

Web & Data Tools: BeautifulSoup, requests, FastAPI

Tools and Libraries: NumPy, Pandas, Matplotlib, Scikit-learn

Deep Learning Libraries: Tensorflow, PyTorch

PROJECTS

SkillMatch-AI | *Python*

24 March 2025 - 25 March 2025

- Built an AI agent for resume parsing, matching, and interview scheduling using OpenAI, FAISS, and Google Calendar API.
- Implemented full-stack features: bulk upload, semantic search, and candidate summaries.
- Designed modular, Dockerized architecture for easy scaling and future feature integration.
- View project on [GitHub](#)

SortPy | *Python*

May 2025 - Ongoing

- Sort files into folders by type (e.g., Images, Documents, Videos, Music, Others)
- Optionally sort files by last modified date within each type.
- Optionally flatten subfolders
- View project on [GitHub](#)

Predicting Employee Attrition | *Python*

Feb 2025 - March 2025

- Understand factors influencing employee attrition using Exploratory Data Analysis (EDA).
- Train and evaluate multiple machine learning models for accurate attrition prediction.
- Use SHAP analysis to interpret feature importance and model decisions.
- Derive actionable recommendations based on data insights to help organizations reduce turnover.
- View project on [GitHub](#)

ACHIEVEMENTS

First Place in HackMaze (Autopilot Theme) | *IIIT Dharwad*

- Built real-time CV navigation on Raspberry Pi using OpenCV for lane and obstacle detection.
- Optimized image capture and inference with NumPy and Picamera2 under 48-hour constraints.
- Controlled motors via RPi.GPIO to enable fully autonomous movement without extra sensors.
- Managed team workflow—Git, docs, and debugging—to deliver a robust solution on time.

SOFT SKILLS

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

Hobbies: Photography, Playing Guitar