Harshit Maurya

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Education

Bundelkhand Institute of Engineering & Technology, Bachelor of technology in Information Technology   Nov 2022 – May 2026

- **GPA**: 8.0
- **Coursework:** Machine Learning,Artificial Intelligence,Database Management System, Data Analytics, Cyber Security.

Technical Skills

- **Languages:** Python,C++, C, SQL.
- **Tools:** Git, Postman, Google Colab,OpenCL,Cmake,Docker, Jupyter Notebook.
- **Framework:** SCI-KIT, SPACY, TensorFlow, PyTorch, Streamlit, Flask, Transformers,OpenCV, FastAPI.
- **Databases:** MongoDB, Kaggle.
- **Soft Skills:** Leadership, Reading,Communication.

Projects

EduTrackAI – Compliance Monitoring System   (REPO)

- **Built an AI-powered pipeline** combining OCR (Tesseract) and LLMs to extract fields from **500+** institutional documents with **98% accuracy**, computing a Document Sufficiency Score (DSS) for automated compliance.
- **Implemented a rule-based validator** with semantic matching and Isolation Forest to detect anomalies (e.g., ghost faculty), reducing manual verification efforts by **70%**.
- **Developed a full-stack solution** utilizing FastAPI and React to enable real-time dashboards, supporting concurrent data processing for **50+** institutions.

AutoScholar – Research Paper Summarizer & Question Generator   (REPO)

- **Created an AI-Driven Streamlit application** that summarizes complex research papers in real time, reducing reading time by **45%** and helping students and researchers focus on key insights.
- **Leveraged Pegasus & Hugging Face Transformers** for high-quality abstractive summarization and automated question generation, achieving a BLEU score of **0.72** while improving study efficiency.
- **Designed a user-friendly and modular UI with Flask API integration**, increasing adoption and engagement by **30%**, and enabling easy extension for academic quizzes, practice tests, and knowledge evaluation.

AgentCoco – Autonomous AI Agent for Task Automation   (REPO)

- **Engineered a secure AI agent** that reverse-engineers legacy codebases, cutting documentation turnaround time from hours to **under 60 seconds** using Google Gemini 2.5 Flash Lite.
- **Implemented "Context Compaction"** strategies to optimize token usage by **40%**, mapping dependency graphs autonomously before performing deep code analysis.
- **Developed a robust Tool-Use system** with secure Python file I/O, achieving **100% compliance** with security guardrails to prevent sensitive data leaks.

Certifications & Achievements

- Solved **500+** Data Structures, Algorithms, and Competitive Programming problems across ,**LeetCode**(Top 13%), **CodeChef**,and **Codeforces**.Profile
- Certified in **Oracle Cloud Infrastructure AI Foundations Associate** Certificate
- Certified in **POSTMAN** Testing; tested and validated 20+ RESTful APIs. Certificate
- Achieved Top 6 position in **Smart India Hackathon 2025** (Software Edition) for building an innovative AI-driven solution EduTrackAI .View Post
- Certified in 5-Day AI Agents Intensive Course with **Google** (via **Kaggle**).Certificate