

MANISH KUMAR TAILOR

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EDUCATION

Bachelor's of Computer Science and Engineering (Specialization in AI)
Indian Institute of Information Technology, Kota

Expected 2025
CGPA: 8.29

EXPERIENCE

AI Software Engineer Intern June 2024 - September 2024
AIgnotics Labs Remote

- Designed and researched technologies used in building an AI-based interview platform with real-time analysis capabilities using **NLP models** and **TTS technologies** like **Bark**.
- Technologies used: **Python**, **NLP**, **TTS (Bark)**, **ASR (OpenAi Whisper)**, **LLMs**.

ML Intern August 2023 - September 2023
Suvidha Shiksha Remote

- Implemented a text-summarizing model that uses pointer-to-pointer network generation based technique.
- Technologies used: **Python**, **NLP**, **text-summarizing**.

PROJECTS

- SoftCart Data Platform Architecture**  [GitHub](#) September 2024
 - Tools: **MySQL/PostgreSQL**, **MongoDB**, **DB2 on Cloud**, **IBM Cognos**, **Spark**, **Apache Airflow**
 - Implemented a hybrid data platform integrating on-premises and cloud databases.
 - Developed BI dashboards and automated ETL processes using **IBM Cognos**/**Looker Studio**, and **Apache Airflow**.
- ScreenTest AI: Automated Test Case Generation from UI Screenshots**  [GitHub](#) September 2024
 - Tools: **Streamlit**, **UIED**, **LangChain**, **OpenCV**, **Tesseract OCR**, **MPT-7B-Chat**
 - Created an AI tool to generate test cases from UI screenshots using computer vision and LLMs.
 - Utilized **UIED** for element detection and **LangChain** with **MPT-7B-Chat** for detailed test cases.
- Web Crawler for PDF Extraction**  [GitHub](#) July 2023
 - Tools: **Python**, **BeautifulSoup**, **Requests**
 - Developed a web crawler in Python to extract and download PDFs from sitemaps.
 - Implemented recursive crawling and link management for efficiency and to prevent loops.

SKILLS

Programming Languages	Python, SQL, Bash
Database Systems	MySQL, MongoDB, PostgreSQL, DB2
Data Science & Machine Learning	TensorFlow, scikit-learn, NLTK, Pandas, Matplotlib, Seaborn
Cloud Technologies	AWS (IAM, VPC, S3, Dynamodb), IBM Cloud (DB2, Cognos)
DevOps & Version Control	Docker, Git, Apache Airflow
Other Tools & Technologies	Streamlit, Jupyter Notebooks, NLP, Web Scraping
Research Skills	Data Analysis, Technical Writing, Problem Solving

CERTIFICATIONS

- IBM Data Engineering Specialization** September 2024
- AWS Cloud Technical Essentials** September 2024
- Mathematics for Machine Learning: Linear Algebra** November 2023