

Avneesh S. Saini

avneeshsinghsaini@gmail.com | +91-9023840303

EDUCATION

CHITKARA UNIVERSITY

B.TECH IN COMPUTER SCIENCE

2014-2018 | Rajpura, Punjab

LINKS

LinkedIn:// avneeshafc

Github:// AvneeshAFC

HackerRank:// avneeshafc

- SQL (5 stars)
- Python (5 stars)
- Problem Solving (5 stars)

SKILLS

FOUNDATIONS

Machine Learning
Natural Language Processing
Deep Learning
Applied Statistics
Data Analysis
Web Scraping
Agentic AI

TECHNOLOGIES

Python • Advance
SQL • Advance
Azure Doc Intelligence • Advance
Azure AI Studio • Advance
FastAPI • Intermediate
Streamlit • Advance
LangChain • Intermediate
LangGraph • Intermediate
Pandas • Advance
PySpark • Intermediate
Selenium • Intermediate
Matplotlib/Seaborn • Advance
Dataiku • Intermediate
Power BI • Intermediate
Tableau • Intermediate
Tensorflow/Keras • Intermediate
PyTorch • Familiar

COURSEWORK

UNDERGRADUATE

Data Structures
Algorithms
Theory of Computation
Operating Systems
Web Development
DBMS

EXPERIENCE

COFORGE | SENIOR DEVELOPER - AI

Oct 2023 – Present | Greater Noida

- Working in **Intelligent Document Processing (IDP)** team enabling large scale automation for the US based insurance organization.
- Developed an **LLM application** to automatically extract key fields from automotive repair order documents of different layouts, bringing down **latency to <8 seconds** per doc from 60+ seconds.
- Reduced LLM cost (input tokens), throughput time and improved contextual understanding using **Retrieval Augmented Generation (RAG)**.
- **Skills:** Python, Azure OCR (Doc AI), Azure OpenAI studio, FastAPI, NLP, Machine Learning, Prompt versioning, FAISS

THEMATHCOMPANY | DATA SCIENTIST - ASSOCIATE

Oct 2021 – Oct 2023 | Bengaluru

- **Semi-automated** a manually maintained data refresh pipeline, reducing the turnaround time from 3-4 days to **<4 hours**. (HCP Analytics)
- Worked on **Prescriber Choice Model** to determine impact of multiple prescription touch-points for HCP's (healthcare physicians).
- Developed **back-end data modules** in PySpark, processing millions of records to build new metrics and refresh the dashboard on a daily cadence level.
- **Skills:** Python, SQL (Hive, Impala, Trino), Dataiku, Machine Learning, PySpark.

CAPGEMINI | SENIOR SOFTWARE ENGINEER

Aug 2018 – Oct 2021 | Mumbai

- **People Search Engine:** Developed the web app's backend modules including automatic **scraping** of profiles from popular social networks.
- Built a **multi-label** classification model (LightGBM), predicting the "Big 5 Personality traits" from a user's social media posts.
- **Skills:** Python, SQL, NLP, Selenium/Beautiful Soup, Machine Learning.

PROJECTS

INSURANCE TRACKING AI

Aug 2024 – Present

Large scale document classification (>98%) and extraction (>95%) of dynamic fields from Policy insurance documents with a volume of **36,000 docs per day**.

- **Skills:** Python, OCR, NLP, GPT 4o, Prompt versioning, RAG, DistilBERT, FastAPI

AUTO CODE RESOLUTION

April 2024 – July 2024

Developed an automated solution that **fixes security vulnerabilities** in a Azure DevOps repo using Agentic LLM design and creates pull request to target branch.

- **Skills:** Python, FastAPI, Git, Azure DevOps, Azure OpenAI, Chain of Thought (CoT)

AWARDS

2022	Ambition and Hunger	TheMathCompany, Annual Awards
2021	Project of the Month	Capgemini, Millennial Garage
2012	Gold medal	State Chess Championships

CERTIFICATIONS

- **Microsoft:** Azure AI Fundamentals certified (AI-900).
- **Dataiku:** Core Designer Certified.
- **Deeplearning.ai:** Natural Language Processing Specialization.