

# Shresth Shukla

Data and AI Engineer

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## PROFILE

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Experienced and curious Data & AI consultant with a background in solving problems using latest data and AI technologies. Began my career in **technical content writing** and developed a passion for technology, AI development and research while studying Mathematics in college. Now focused on addressing larger challenges with technology at hand and humans at the center. With strong academic background in mathematics and having 3+ YOE in the industry, I'm currently helping one of the biggest climate organizations (UNFCCC) with Data Engineering and AI implementation through EY and looking forward to contribute to global technologies in my new role.

## PROFESSIONAL EXPERIENCE

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### Associate Consultant - Data and AI

EY India

10/2025 – Present

Delhi, India

- Helping UNFCCC with CRT and NDC data integration and AI use cases on top of the climate data using Fabric and Azure AI services.
- Building Data and AI POCs for client demos.

### Senior Analyst

EY India

10/2024 – 10/2025

India

- Worked on enabling AI in data engineering tasks on Microsoft Fabric using Fabric AI Functions.
- Implemented AI enabled ETL pipelines and transformations to integrate new climate data sources for UNFCCC.
- Utilised Fabric AI capabilities to bring multilingual data into an existing complex data model.

### Analyst

Ernst & Young (EY) India

08/2023 – 10/2024

Delhi, India

- Worked on **Microsoft Fabric** and **Azure** to implement data pipelines, perform data transformation and data preparation using **PySpark**, leveraging Azure and Copilot capabilities as part of the Data and AI team for UNFCCC. Collaborating with PowerBI team to turn complex KPIs into visual content.
- Involved in the development of 10+ **GenAI** solutions, gaining expertise in building various **RAG** architectures using Azure OpenAI across multiple sectors for government clients. Read a lot of papers.
- Developed a computer vision solution using YOLO, SAM and OpenCV, gaining expertise in model training, image and video analytics, and image classification and segmentation.
- Worked on Fabric Data Factory, Notebooks, Deployment Pipelines and AI Functions managing overall project development on Microsoft Fabric to ingest data for 130+ countries in UN recognized languages.
- Managed** 10+ people to work collaboratively on Data and AI projects/usecases. Involved in business decision-making for various Data & AI solutions and client engagement.
- Built an automatic voice-based form-filling solution-**Sevak**, that can understand input in all Indian languages and fill the form in English automatically, without any human intervention.

## EDUCATION

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### M.Tech in Software Systems

BITS Pilani (Hyderabad Campus)

10/2023 – Present

Distance Program

(WILP)

- Gaining knowledge and experience by working in technology, attending classes, and taking exams. Won a GenAI competition hosted at the BITS Hyderabad campus.

- Explored mathematics in and out, made friends, went on trips, and did whatever suited best at the time. My favourite subject was Financial Mathematics.

## PROJECTS

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**CutShorts.com**

01/2026

Building a tool to automatically cut shorts from long form content like podcasts using AI.

**Multi Speaker Context Aware Podcast Generation** ↗

Turned my medium blogs into a mutiple speaker and context aware podcast using LanceDB, ElevenLabs/Smallest and Gemini.

## SKILLS

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**Generative AI (GenAI)**

Deep Learning, Langchain, RAG (using Gemini and Azure OpenAI), **Conversational AI** (Whisper & **Bhashini**), PyTorch (as required), Transformers, Fine Tuning, Pydantic, Agentic AI frameworks, MCP and FastAPI

**AI-ML**

Python, PySpark, Pandas & Numpy, Machine Learning(scikit-learn and algorithms), Computer Vision (CV), Object Detection (YOLO & ViT), Image Classification and Segmentation (SAM), Azure and AWS(beginner), Docker

**Microsoft Fabric**

Fabric Data Factory(**DF**) ↗, Data & Deployment Pipelines, Data Transformation (PySpark, Pandas, SQL), Azure AI Services, Workflow Automation (Logic Apps), Data Warehouse, SQL Databases and Lakehouse, **Medallion Architecture**, AI Functions in Fabric, Notebook Orchestration

**Product and Business**

Product Management and Analytics, Product Features, **Better Prompting**, Business and Client Meetings, Presentations, Team Management, Leadership, Content Writing, Analytical and Logical Thinking,

## REWARDS

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**Client Extraordinaire**

01/11/2024

EY

- Received a **client extraordinaire** award for excelling in client deliverables and contributing significantly to the Data and AI project for international client. Gained valuable experience in client project management and delivery.
- Helped client migrate and manage their overall data system on **Microsoft Fabric**. Strategic Impact recognition at the year end for project success.

**Edu-Forge Competition**

16/04/2024

BITS Pilani

- Attended the ICONWIL Conference, competed with 60+ developers and **data scientists** from companies like IBM, Accenture, Cognizant, and TCS, and secured **1st prize** for a GenAI solution on Work-Integrated Learning.

**STOA RAIL**

STOA

- Collaborated with 5 strangers on a train journey to ideate a business plan during a **30-hour trip** from Delhi to Bangalore. Secured **3rd rank** among 55+ candidates.
- Additionally, ranked in top 3 in multiple inter-college competitions, including business case studies and idea pitching. Won 1st prize by **Enactus,ARSD**.

## INTERESTS

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**Chess** — 1300 ELO | **Writing and Conversations** ↗ — I love writing about what I learn and try to make technical concept simpler for non tech people. These days, I document my learnings, write and publish blogs at UselessAI.in ↗, record and upload conversations with people working in data and AI.