

KHUSHI MALIK

DELHI – 110007

• khushimalik511263@gmail.com

• [linkedin.com/in/Khushi-malik-analyst](https://www.linkedin.com/in/Khushi-malik-analyst)

• [Portfolio](#)

Experience

AI Research Intern

May 2025 – Present

Coding Jr · Remote | New Delhi, India

- Conducting research on Large Language Models (LLMs) and contributing to experimental AI design strategies.
- Building and optimizing prototypes using Python and open-source AI tools.
- Leveraging 8+ core technical skills including data preprocessing, prompt engineering, and transformer fine-tuning.
- Secured the role through proactive LinkedIn networking and a strong personal brand presence.

Freelance Data Scientist

Apr 2025 – Present

Zindi · Remote | South Africa

- Solving real-world data science problems through global AI competitions.
- Performing end-to-end pipelines: data cleaning, feature engineering, and model deployment.
- Applied LLM-based techniques for boosting model accuracy using advanced augmentation methods.

Data Analyst Intern

Apr 2025 – May 2025

Unified Mentor · Remote | Delhi, India

- Analyzed large-scale datasets using SQL and statistical modeling techniques.
- Built insightful dashboards and reports to support business decisions.
- Gained proficiency in 6+ tools including Excel, Power BI, Pandas, and NumPy.

Projects

Codex-Finetune — Intelligent Coding Copilot([GitHub](#))

Fine-tuned StarCoder2-3B for multi-task code understanding and generation

Jun 2025

Tools: Python · Hugging Face · PEFT (LoRA) · PyTorch · W&B

- Fine-tuned [bigcode/starcoder2-3b](#) on CodeSearchNet (Python) using LoRA for efficient training.
- Built an instruction-tuned model capable of code generation, docstring creation, and function completion.
- Designed memory-efficient data pipelines using Hugging Face [datasets](#) and [accelerate](#).
- Tracked training (3 epochs, 3k steps) via Weights & Biases; achieved final loss ~1.20.
- Packaged model for inference with Hugging Face Transformers; integrated API-ready deployment.

AI Doctor Assistant – Fine-Tuned LLaMA 8B Project ([GitHub](#))

May 2025

Built a specialized medical language model using [DeepSeek-R1-Distill-LLaMA-8B](#), fine-tuned with LoRA ([Unsloth, 4-bit QLoRA](#)) for clinical reasoning tasks.

Tools: Transformers, PEFT, Unsloth, Hugging Face Datasets

- **Goal:** Simulated human-like diagnosis using Chain-of-Thought (CoT) prompting.
- **Training:** 60-step fine-tuning on 500 clinical samples ([medical-o1-reasoning-SFT](#)).
- **Result:** Improved accuracy and explainability in medical question-answering.

AI Coder Pro – VS Code AI Assistant([GitHub](#))

Jul 2025

Role: Developer | Tech: TypeScript, Node.js, VS Code API, Together AI, Mocha, ESLint

- Built an open-source VS Code extension integrating [Together AI](#) for smart code assistance.
- Developed multi-agent tools for [code review](#), [bug detection](#), [refactoring](#), and [test generation](#).
- Designed a [chat-based UI](#) with file upload, persistent memory, and context-aware responses.
- Enabled [custom LLM integration](#), focusing on transparency, privacy, and developer control.
- Compared favorably with GitHub Copilot and TabNine; fully extensible and free to use.

Technical Skills

- **Tools:** Excel, Power BI, Power Query, MySQL, Jupyter Notebook
- **Languages:** Python, SQL
- **Libraries/Frameworks:** GitHub, Pandas, NumPy, Hugging Face, PEFT, Torch, TensorFlow, PyTorch
- **Visualization & Reporting:** Canva, PowerPoint, MS Word
- **Analytics & Modeling:** Data Analysis, Statistical Analysis, ETL, Data Cleaning, Regression Analysis.
- **Mathematics:** Statistics, Probability, Linear Algebra, Calculus

Education

B.Sc.(Mathematics) | KiroriMalCollege, University of Delhi

Aug 2023 – May 2027

• CGPA: 8.27

north delhi-110007

Extracurricular / Certifications

- Excel: Business Intelligence – Codebasics
- SQL: Beginner to Advanced – Codebasics
- Electric Vehicle Sales Analysis – Codebasics
- Python: Beginner to Advanced – Codebasics

[–View Credentials](#)

[- View Credentials](#)

[–View Certificate of Appreciation](#)

[- View Credentials](#)