

Vishisht Mishra

+91-981-061-5840 | vishishtmishra150@gmail.com

Portfolio | github.com/Vishisht16 | linkedin.com/in/vishisht-mishra

EDUCATION

Central University of Haryana

Bachelor of Technology in Computer Science and Engineering

CGPA: 7.98/10

Mahendragarh, HR

Aug. 2023 – July 2027

EXPERIENCE

Azure Cloud Engineer

Faslit Accor

May 2025 – Present

Remote

- Managed complete Azure-based infrastructure for the company website, leveraging services like Azure Active Directory, Cosmos DB, and Communication Services to ensure secure, scalable, and efficient operations
- Built and maintained CI/CD pipelines using GitHub Actions for a high-traffic e-commerce website, enabling seamless, automated deployment and minimizing downtime during frequent updates
- Developing an end-to-end AI solution using Azure AI Vision and Azure OpenAI Services, adding an intelligent image analysis based website functionality

Artificial Intelligence Intern

Planto AI

Feb. 2025 – Apr. 2025

Remote

- Worked on building a personalized copilot for developers at client companies
- Integrated UI design, software development and AI to create a production level LLM integrated with developer environments

Artificial Intelligence Trainer (Freelance)

Outlier

Sep. 2024 – Jan. 2025

Remote

- Worked under a subsidiary of Scale AI, using prompt engineering techniques to significantly improve performance on various LLMs
- The projects were RLHF-based, focusing on math, science, linguistic and programming tasks

Open Source Contributor

GirlScript Summer of Code

Sep. 2024 – Nov. 2024

Remote

- Worked on ML-based open-source projects, contributing to public repositories in a competitive environment
- Created deep learning models for autocorrect, speech emotion recognition, text-to-music generator app and more

PROJECTS

AI Photoshoot Studio | Python, Google Colab, Hugging Face Diffusers, MediaPipe

Aug. 2025

- Developed a full-featured AI Image Generation tool as a web application to give users precise control over the creative process with Stable Diffusion 1.5
- Engineered the core feature using ControlNet and OpenPose, allowing users to dictate the exact pose of generated characters from a control image
- Implemented face preservation mechanism using an inpainting pipeline with automated face detection masks

Text Synthesis Comparison | Python, TensorFlow, Keras Hugging Face

Aug. 2025

- Developed a multi-GPU NLP pipeline in TensorFlow/Keras to train and compare LSTM, GRU and Transformer models using MirroredStrategy, with modular architecture, JIT support and custom perplexity-based evaluation
- Optimized data ingestion with caching/prefetching to prevent GPU underuse, and automated hyperparameter tuning with Keras Tuner and a custom Byte-Pair Encoding tokenizer for scalable model training

Code Summarizer | Python, PyTorch, Transformers, Firebase, Gradio

Apr. 2025

- Developed a web and CLI app that parses GitHub repositories, generates code summaries using CodeBERT embeddings, and stores metadata in Firebase Firestore
- Utilized GitPython, Python AST, and Hugging Face's CodeBERT for code parsing and summarization, with a Gradio UI deployed on Hugging Face Spaces

RESEARCH WORK

Tribal Languages

Feb. 2025 – Present

- Taking on an initiative to bring the lesser-known languages of India into mainstream AI, ensuring these languages are preserved and accessible
- The project involves end-to-end work including data collection, preprocessing, model training with custom algorithms, and deployment to create tools for various purposes
- Collaborating with linguists, this project aims to integrate the underrepresented languages into AI systems and establish a benchmark for any such future endeavors

TECHNICAL SKILLS

Languages: Python, C, C++, SQL

Frameworks: PyTorch, TensorFlow, Hugging Face, LangChain, Flask

Developer Tools: Git, Docker, Google Cloud Platform, Microsoft Azure, VS Code, Visual Studio

Libraries: pandas, NumPy, Matplotlib, scikit-learn, NLTK, spaCy, OpenCV

KEY COURSES TAKEN

Core Computer Science: Data Structures and Algorithms, Analysis and Design of Algorithms, Database Management Systems, Theory of Computation, Programming with Python, Data Analysis with Python, Programming for Problem Solving, Object-Oriented Programming in C++

Systems & Architecture: Computer Organization and Architecture, Microprocessor Interfacing, Digital Electronics, Computer Networks

Mathematics & Science: Engineering Mathematics I-III, Discrete Mathematics, Physics, Chemistry

Applied & Interdisciplinary: Economics, Fundamentals of Management

CERTIFICATIONS

Oracle AI Vector Search Certified Professional

GitHub Foundations

Oracle Cloud Infrastructure Certified AI Foundations Associate