Vishisht Mishra

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EDUCATION

Central University of Haryana — Mahendragarh, HR
Bachelor of Technology in Computer Science and Engineering — *Aug. 2023 – July 2027*
CGPA: 7.87/10

EXPERIENCE

Full Stack Developer — Oct. 2025 – Present
Nexus Beings, Sydney — *Remote*
- Contributed to the organization's software landscape in both their main websites' frontend and backend systems
- Developing a full-stack Fleet and Warehouse Management software from scratch using Next.js

Azure Cloud Engineer — May 2025 – Nov. 2025
Faslit Accor, Hosur — *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 the e-commerce website, enabling seamless, automated deployment and minimizing downtime during frequent updates
- Contributing in the development of an AI solution using Azure AI Vision and Azure OpenAI Services, adding an intelligent image analysis based website functionality

Artificial Intelligence Intern — Feb. 2025 – Apr. 2025
Planto AI, Singapore — *Remote*
- Worked on building a personalized copilot for developers at client companies
- Integrated UI design, software development and AI to create a RAG based AI system, integrated with developer environments, capable of understanding and suggesting code snippets based on project context

PROJECTS

PRESTO - Satellite Error Forecasting | *PyTorch, PyTorch Geometric, Transformers, OpenLTM* — Oct. 2025
- Developed a novel hybrid deep learning framework (GNN + Autoformer) to predict NavIC satellite ephemeris and clock errors, solving extreme data scarcity through a strategic 3-stage transfer learning pipeline
- Implemented synthetic data augmentation by fine-tuning a Large Time-series Model (TimeR-XL) to generate 100x training samples, utilizing semiparametric decomposition to isolate and forecast residual noise
- Achieved gold-standard performance with stable 24-hour probabilistic forecasts, optimizing prediction residuals to a near-perfect Gaussian distribution (Shapiro-Wilk $p > 0.05$)

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

TECHNICAL SKILLS

Languages: Python, C, C++, JavaScript, SQL
Frameworks: PyTorch, TensorFlow, Hugging Face, LangChain, LangGraph, Flask, Next.js
Developer Tools: Git, Docker, Google Cloud Platform, Microsoft Azure, Visual Studio
Libraries: pandas, NumPy, Matplotlib, scikit-learn, NLTK, spaCy, OpenCV

CERTIFICATIONS

GitHub Copilot — Verify

Oracle AI Vector Search Certified Professional — Verify

GitHub Foundations — Verify

Oracle Cloud Infrastructure Certified AI Foundations Associate — Verify