

Pranay Shaurya

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Mob-no- 9334192924

Education

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering, **CGPA: 8.09/10.0**

(Specialization in Health Informatics)

Sep 2022 – Present

Bhopal, Madhya Pradesh

Technical Skills

Programming Languages: C++, Python, JavaScript, SQL, (markup language- HTML)/CSS

Development Tools: Git, Google Cloud Platform, Visual Studio Code, Docker

Technologies: Generative AI (Google Cloud) , Machine Learning , Frontend Web Development , Database Management

Libraries & Frameworks: Matplotlib, NumPy, Figma

AI & Machine Learning: Familiarity with LLMs (ChatGPT, Claude, Gemini), Prompt Engineering

Databases: SQL

EXPERIENCE

GenAI Programs on Google Cloud (Virtual Internship)

- Completed Google Cloud's GenAI Exchange Program & Virtual Internship, gaining hands-on experience with Gemini and Vertex AI.
- Built and deployed scalable applications using generative AI techniques via Google Cloud tools.
- Earned Skill Badges: [Build Real World AI Applications with Gemini and Imagen Skill Badge](#) AND [Prompt Design in Vertex AI Skill Badge](#)
- Pursued advanced learning paths in Gemini and Generative AI for Developers to deepen cloud-based AI expertise.

Research – Alzheimer's Disease Detection using Deep Learning

- Conducted research on Alzheimer's disease detection using CNNs and ML, achieving 92% accuracy on 60,000+ MRI scans with robust 5-fold cross-validation.
- Optimized preprocessing and hyperparameters to reduce overfitting by 25% and improve model precision by 15%.
- Co-authored a research paper based on this work, accepted for publication in Springer, showcasing scalable AI solutions for early diagnosis.

Projects

Alzheimer Disease detection | Tools: CNN , (ML)

Feb 2024 – Apr 2024

- Developed a Machine Learning model for early Alzheimer's detection, achieving 92% accuracy.
- Implemented CNNs for medical image classification, processing 60,000+ MRI scans.
- Leveraged ML algorithms, reducing training time by 30% while maintaining efficiency.
- Preprocessed MRI datasets, improving feature extraction and boosting precision by 15%.
- Optimized hyperparameters, reducing overfitting by 25% and enhancing generalization.
- Conducted 5-fold cross-validation, ensuring a robust and reliable classification model.

SRT Caption Translator – Subtitle Translation Tool (Dockerized ML App) / Tools & Tech: Docker, Python, Jupyter Notebook, Hugging Face Transformers, PySRT, TensorFlow, YAML

- Developed a containerized ML app to translate .srt subtitles (EN→FR) using Hugging Face Transformers & pysrt.
- Built a 300MB Docker image from **jupyter/tensorflow-notebook**, adding 3+ NLP packages via Dockerfile.
- Translated 50+ subtitles/file in near real time with Hugging Face pipeline.
- Used Docker Compose to expose Jupyter on **localhost:8000**, mount volumes, and manage I/O.
- Deployed image to Docker Hub (v1.0), enabling pull-and-run in <60s.
- Delivered full ML workflow: data load → inference → subtitle transform → file export.

Certifications

- The Bits and Bytes of Computer Networking (Coursera/Google)* (<https://coursera.org/share/43e2eab3ed769efc5b5bc87099b652ae>)
- AWS Academy Graduate** - AWS Academy Cloud Foundations (https://www.credly.com/badges/c4e10273-62b3-45e5-8134-ecbcb7253a3/public_url)
- Virtual Internship Program on **Google Cloud Generative AI** (https://drive.google.com/file/d/1pPaDp_ZkWxX45yDLU7W5WW_2tDLRMSSn/view?usp=sharing)
- Language:** English (Fluent), Hindi (Fluent), Japanese (Learning)