# Pranay Shaurya

Bhopal, Madhya Pradesh, India

Email: Pranayshaurya.pro@gmail.com | LinkedIn: linkedin.com/in/pranay-shaurya-06106b252 , GitHub: https://github.com/Pranay-Shaurya

Mob-no- 9334192924

## Education

**VIT  Bhopal  University**                                                                 **Sep 2022 – Present**

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

(Specialization in Health Informatics)

## 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, MongoDB

## EXPERIENCE

### GenAI Programs on Google Cloud (Hack2Skill & Virtual Internship)

- Completed Google Cloud's GenAI Exchange Program & Virtual Iternship, 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-ecbcbd7253a3/public_url)*
- *DevOps Fundamentals* ***(IBM)*** *(https://courses.ibmcep.cognitiveclass.ai/certificates/eaef35e891334f19ae7a05791422b41f)*
- **Language:** *English (Fluent), Hindi (Fluent), Japanese (Learning)*