PRANAY SHAURYA

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**EDUCATION**

## VIT Bhopal

*BTech, Computer Science and Engineering* (Specialization in Health Informatics) *Oct 2022 – Aug 2026*

### GPA: 8.15

**Mahatma Gandhi Shikshan Sansthan** Bihar, India

*Pre-University Education (Class 12) May2018 – june2019*

### GPA: 7.7

**Darbhanga Public School** Bihar, India

*Secondary Education (Class 10) May2016 – june2017*

* GPA: 9.2

# EXPERIENCE

**GenAI Exchange Program on Google Cloud**

* Participated in **GenAI Exchange on Google Cloud** by Hack2Skill.
* completing hands-on labs on **Prompt Design in Vertex AI** and **Building Real-World AI Applications with Gemini and Imagen**.
* Earned credentials for both modules and applied generative AI techniques using Google Cloud tools to build scalable, real-world applications.
* Actively continuing with advanced programs to deepen expertise in cloud-based AI development and deployment.

## EPICS (Project Exhibition)

* Designed intuitive UI components and conducted 10+ usability tests, reducing user task completion time by **40%**.
* Developed a responsive frontend using Next.js, TypeScript, and Tailwind CSS, improving user engagement by **30%** across devices.
* Created complete brand identity including logo design, enhancing platform credibility and increasing user onboarding by **25%**.

# Projects

**Alzheimer Disease detection |** Tools: CNN , (ML) Feb 2024 – Apr 2024

* Developed a **Machine Learning model** for early Alzheimer’s detection, achieving an **accuracy of 92%**.
* Implemented **Convolutional Neural Networks (CNNs)** for medical image classification, processing **60,000+ MRI** scans.
* Leveraged **Transfer Learning (TL)**, reducing training time by **30%** while maintaining high model efficiency.
* Preprocessed MRI scan datasets, improving feature extraction and increasing model precision by **15%**.
* Optimized hyperparameters, reducing **overfitting by 25%** and enhancing generalization across different datasets.
* Conducted **cross-validation with 5-fold testing**, ensuring a robust and reliable classification model.

**SevaSathi – Local Services Marketplace (Web Application) *|*** Tools & Tech:Next.js , TypeScript , Tailwind CSS , Figma

* Designed and developed a responsive frontend using Next.js and Tailwind CSS, increasing mobile user retention
* Led UI/UX research and usability testing with 10+ participants, improving overall task success rate by **40%**.
* Collaborated with design and QA teams to refine interactive elements, ensuring cross-browser compatibility and accessibility.
* Created the complete visual identity of the platform, including logo design and branding assets, boosting user trust and onboarding by **25%**.
* Documented test cases and user guides to streamline design feedback and ensure consistent implementation.

# Skills

* **Programming Languages:** C++, Python, SQL, JavaScript, ( **markup language** -HTML5)
* **Technologies:** Frontend Web Development , Generative AI, Database Management, Debugging, Troubleshooting
* **Tools:** Git, GitHub, Docker
* Strong **problem-solving** and analytical thinking
* Effective **communication** and **teamwork** skills
* Quick **learning ability** and adaptability to new technologies, Strong **research** skills for technical problem-solving
* Ability to **work well under pressure** and meet deadlines

**Certificates**

* *The Bits and Bytes of Computer Networking* ***(Coursera/Google)*** [***(https://coursera.org/share/43e2eab3ed769efc5b5bc87099b652ae)***](https://coursera.org/share/43e2eab3ed769efc5b5bc87099b652ae)
* ***AWS Academy Graduate*** *- AWS Academy Cloud Foundations* [***(https://www.credly.com/badges/c4e10273-62b3-45e5-8134-ecbcbd7253a3/public\_url)***](https://www.credly.com/badges/c4e10273-62b3-45e5-8134-ecbcbd7253a3/public_url)
* *DevOps Fundamentals* ***(IBM)*** [***(****https://courses.ibmcep.cognitiveclass.ai/certificates/eaef35e891334f19ae7a05791422b41f)*](https://courses.ibmcep.cognitiveclass.ai/certificates/eaef35e891334f19ae7a05791422b41f)
* **Language:** *English (Fluent), Hindi (Fluent), Japanese (Learning)*