PRANAY SHAURY

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EDUCATION

VIT Bhopal

BTech, Computer Science and Engineering (*Specialization in Health Informatics)* Oct 2022 – Jun 2026
- GPA: 8.16

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

Project Exhibition – 1
- Developed a **responsive front-end** using **HTML, CSS, and JavaScript**, improving **UI efficiency by 30%**.
- Designed and implemented an **interactive user interface**, reducing user task completion time by **25%**.
- Conducted **5+ usability tests**, ensuring a seamless and intuitive user experience.

Project Exhibition – 2
- Collected and processed **60,000+ data points** for training Machine Learning models.
- Implemented **data preprocessing techniques**, reducing noise and improving model accuracy by **15%**.
- Integrated **ML algorithms**, enhancing **predictive accuracy by 20%** for real-time data analysis.
- Optimized **data acquisition pipeline**, reducing processing time by **40%** and improving system efficiency.

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.

Online marketplace for Homestays(Web Application) | Tools : HTML , CSS , JavaScript , MongoDB *Ongoing*
- Developing a web application similar to **Airbnb**, supporting **users** for booking and reviewing accommodations.
- Optimized **search algorithms**, increasing **successful bookings per user session by 10%** and reducing search latency by **30%**.
- Designed a **responsive UI**, improving user engagement and reducing bounce rates by **25%**.
- Integrated **MongoDB**, enabling efficient storage and retrieval of **500,000+ accommodation listings and user reviews**.
- Implementing **secure authentication and payment processing**, ensuring **99.9% uptime** and protecting user transactions with **AES-256 encryption**.
- Enhanced website loading speed by **40%**, improving overall user experience and retention rates.

Skills

- **Programming Languages:** C++, Python, SQL, JavaScript, (**markup language** -HTML5)
- **Technologies:** Full Stack Development, 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)*
- **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)*