# PRIYANSHU SHARMA

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# Education:

**Vellore Institute of Technology Bhopal, Madhya Pradesh**

*Btech in Computer Science Engineering (with specialization in Health Informatics)* April 2026

###### **CGPA: 8.7/10**

**Professional Experience:**

**AI & Machine Learning Intern - Infosys October 2024 – January 2025**

* Executed time-series forecasting models using Python (scikit-learn, Pandas) to boost prediction by 20% and reduce execution time by 15%, while collaborating cross-functionally on statistical modeling, automated data workflows, ML pipelines for real-time insights from large-scale datasets

**Feyns LabMERN) Intern - SmartBridge January 2025 – April 2025**

* Architected 3 end-to-end MERN stack applications serving 500+ concurrent users, implementing 15+ RESTful APIs with JWT authentication and reducing page load times by 40% through optimized MongoDB queries and React component architecture

**Web Development Intern - Zidio Development June 2024 – July 2024**

* Engineered scalable web apps with React & Django, optimizing queries and UI for 30% faster performance, 25% higher engagement, and 99.9% uptime through seamless front-end/back-end integration and cross-platform collaboration.

# Key Projects:

**AI-Health-Assistant - Medical Chatbot** [**(Github )**](https://github.com/PriyanshuSharma18/ai-medical-chatbot)  **November 2024 – January 2025**

* Deployed AI medical diagnostic tool achieving 91% accuracy on 2,500+ test cases, supporting 12+ languages with 85% translation accuracy, and delivering personalized health insights to 500+ users within 4-month development cycle

**Book-a-Doctor Appointment System**| **Full Stack Developer MERN Stack**[**Live Demo**](https://book-a-doctor-frontend.vercel.app/) **|** [**(Github)**](https://github.com/PriyanshuSharma18/Smartbridge-Internship-VIT25)**Dec 2024 – April 2025**

# • Architected scalable Doctor Appointment System handling 100+ concurrent bookings across 50+ healthcare providers, implementing

# 25+ secure REST APIs with JWT authentication and supporting 3 user roles (patients, doctors, admins) with 99.8% uptime

# • Executed 12-week agile development cycle across 8 sprints, conducted 15+ UAT scenarios with 95% test coverage, and deployed

# via CI/CD pipeline reducing deployment time from 45 minutes to 3 minutes

**PredictoCare** | ***Real-time Cancer Cell Classification System***[***(Github)***](https://github.com/PriyanshuSharma18/PredictoCare)**Jan 2024 – Apr 2024**

* Engineered advanced machine learning classification system using Python, OpenCV, TensorFlow, deep learning algorithms

achieving 96% accuracy through feature engineering and model optimization

* Architected scalable data preprocessing workflows with parallel processing capabilities, reducing model training time by 20% enabling

real-time deployment for healthcare professionals

# Research & Achievements:

* **Published "Multi-class Classification and Detection of Brain Tumor ROI: YOLOv9-CNN" at IACIS Conference, achieving 94.3% detection accuracy across 5 tumor types using 20,000+ MRI scans and reducing diagnostic processing time by 60% compared to traditional methods**[**(Published Research)**](https://ieeexplore.ieee.org/document/10721653)
* **Event Coordinator:** Anchored "Code Garuda" Microsoft Club event, attracting 300+ participants to VIT's inter-university technology festival
* **Competition Winner:** District-level winner in National Painting Competition organized by Bureau of Energy Efficiency, India

# Additional Skills:

**Programming Languages:** Python • C++ • Java • SQL • JavaScript • React

**Data Science & AI/ML:** Machine Learning • Natural Language Processing • Deep Learning • Statistical Modeling • Time Series Analysis

**Tools & Frameworks:** Tableau • Power BI • Django • OpenCV • scikit-learn • Pandas • NumPy • TensorFlow

**Cloud & Database:** AWS Cloud Architecture • Google Cloud Platform • MySQL • Database Management • Cloud Computing

**Development:** Web Development • Software Engineering • System Design • Data Structures • Algorithms

**Certifications:**

* **AWS Certified Cloud Practitioner** | Amazon Web Services Training and Certification | May 2025 (Valid until May 2028) [**(Verify)**](https://www.credly.com/badges/e46ba790-8f23-490d-9188-2955632dd96d)
* Generative AI Using IBM Watsonx | IBM Career Education Program | April 2025
* **Google Cloud Digital Leader (GCP)** | Google Cloud | 2024
* Python for Data Science | IBM | 2024
* Fundamentals of Data Analytics | FutureSkills Prime | 2023

**Languages**: English (Fluent) • Hindi (Native)