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 (Github)   **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 | (Github)   **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)   **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)**

- **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)**

- 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)