

PARAS PALAWAT

Full stack Developer— AI & Open Source Enthusiast — Community Leader

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EDUCATION

ESHAN COLLEGE OF ENGINEERING (AKTU)

Bachelor of Technology in Computer Science Engineering — CGPA: 8.73/10.0

Uttar Pradesh, India

Aug 2024 – May 2028

EXPERIENCE

Research Intern – AI & Medical Imaging

May 2026 – July 2026

Indian Institute of Technology Hyderabad (IIT Hyderabad) Hyderabad, India

- Working on deep learning and medical image segmentation for biomedical imaging applications .
- Exploring SAM and transformer-based computer vision models for healthcare datasets .
- Using Python, PyTorch, and OpenCV for AI model development and evaluation .

Founder & Community Organizer

Mar 2025 – Present

Beta Cohort Community

Agra, India

- Founded student-led tech community with 500+ members fostering innovation and collaboration across 10+ colleges
- Conducted 20+ workshops on web development, AI/ML, and open-source contribution, training 300+ students

Google Student Ambassador

Sept 2025 – Present

Google India

Remote

- Selected as 1 of 300+ ambassadors representing Google's developer initiatives across India
- Conducted 15+ workshops reaching 500+ students; increased program participation by 40%

Software Development Intern

Sept 2025 – Oct 2025

Apex Software Pvt. Ltd.

Remote

- Developed responsive web applications using React, Node.js, and MongoDB; improved load time by 25%
- Collaborated on AI-based automation tools with team of 5 developers, reducing manual tasks by 30%

Campus Ambassador & Open Source Contributor

Aug 2025 – Oct 2025

GirlScript Summer of Code (GSSoC '25)

Remote

- Promoted open-source culture on campus, onboarding 100+ students to contribute to GitHub repositories
- Contributed 50+ pull requests across multiple projects, improving documentation and fixing critical bugs
- Mentored 25+ first-time contributors through code reviews and best practices guidance

PROJECTS

AI Rail Disruption Management System | Python, JavaScript, HTML, CSS, AI/ML

- Developed an AI-powered railway disruption management system for detecting and managing rail delays and operational issues .
- Built an interactive dashboard for disruption monitoring, route management, and real-time status visualization .
- Integrated AI-based analysis for improving railway operation efficiency and decision-making .
- Performed testing, debugging, and UI optimization to ensure smooth system performance .

NirogAI – Bharat's AI Health Assistant | Python, TensorFlow, Flask, React, Firebase

- Developed multilingual AI health assistant supporting 5+ regional Indian languages, serving 1000+ users
- Conducted end-to-end manual testing including UI testing, input validation, and bug tracking
- Used SQL/Python to validate backend data, test prediction outputs, and ensure reliable model performance

TECHNICAL SKILLS

Languages: JavaScript, Python, HTML5, CSS3, SQL

Core Concepts: Data Structures & Algorithms, RESTful APIs, Transfer Learning, Data Preprocessing, Model Evaluation

Frameworks & Libraries: PyTorch, TensorFlow, OpenCV, Scikit-learn, NumPy, Pandas, Hugging Face

Databases: MongoDB, Firebase, MySQL

Developer Tools: Git, GitHub, Linux, VS Code, SSH, Postman, Figma

Technologies: Machine Learning, Deep Learning, Computer Vision, Medical Image Analysis, Image Processing, Image Segmentation, Transformer Models, Foundation Vision Models (SAM, MedSAM, Grounding DINO), Cellpose