

Parag Ghatage

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Summary

Aspiring Software Engineer Intern with a strong foundation in Computer Science. Proficient in front-end and back-end development, with experience in solving complex problems through hands-on projects. Adept at collaborating in diverse teams and eager to leverage new technologies to create innovative solutions.

Projects

- **NeuroCure - Deep Computer Vision**
 - Developed a brain tumor detection system using image segmentation and classification models.
 - Achieved 95% accuracy, significantly improving diagnostic efficiency.
 - Collaborated with medical professionals to meet clinical requirements.
- **Artify - Deep Neural Style Transfer**
 - Created an innovative art generator using deep neural style transfer techniques.
 - Increased user engagement by 40% through enhanced user experience.
 - Integrated a user-friendly interface with React.js.
- **Briefly - NLP for Legal Queries**
 - Designed an NLP application for processing legal documents.
 - Enhanced response accuracy by 50% for legal professionals.
 - Utilized the 'paraphrase-MiniLM-L6-v2' model for text understanding.
- **Explora - Applied Generative AI**
 - Built a travel website with real-time weather updates and interactive maps.
 - Attracted over 150 users on Product Hunt shortly after launch.
 - Implemented responsive design using Tailwind CSS for better accessibility.
- **Celestial Descent - Reinforcement Learning**
 - Engineered a reinforcement learning model for lunar module landings.
 - Utilized OpenAI Gym for simulation and training to enhance performance.
 - Documented development process and methodologies for future reference.
- **Thunder-Tube - Web Development**
 - Developed a YouTube clone with features like subscriptions and comments.
 - Utilized Node.js for the backend and MongoDB for data storage.
 - Conducted performance testing to optimize load times and user experience.

Skills

- **Languages:** Python, JavaScript, TypeScript, Java, C++
- **Technologies:** TensorFlow, Keras, Docker, ML, DL
- **Frameworks:** Flask, Next.js, React, Node.js
- **Tools:** Git, GCP, OpenAI Gym
- **Libraries:** PyTorch, NumPy, Scikit-learn

Education

Dr. D. Y. Patil Institute of Technology, Pune, India
B.Tech in Computer Science, Expected Apr 2026, GPA: 7.8

Certifications

- Google Cloud: Generative AI, Responsible AI, LLMs

Publications

- **Artify: Leveraging Deep Learning to Transform Images into Unique Art Pieces** -Medium -November 2024
- **Exploring the Future of Travel with Explora** -Medium -November 2024