

Devasy Patel

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Professional Summary Aspiring Data Scientist skilled in deploying machine learning models and big data analytics. Proficient in TensorFlow, Django, and MongoDB with practical experience in developing end-to-end machine learning pipelines. Eager to apply deep technical expertise in a dynamic data science internship, focusing on ML operations, generative AI, and scalable machine learning services.

Education **B.Tech in Computer Engineering** Nirma University, Ahmedabad — Expected 2024 GPA: 7.78/10

Relevant Coursework: Data Structures, Database Management Systems, Operating Systems, Machine Learning, Artificial Intelligence.

Experience **Research Intern | Indian Navy, INS Valsura, Jamnagar**

June 2023 - July 2023

- Developed and deployed an end-to-end facial recognition system using Django, enhancing security measures by creating efficient API endpoints for data processing and storage.
- Collaborated on a low-resolution image classification system, achieving an 83% accuracy rate with significant improvements in training time, utilizing Python and TensorFlow.

Projects **Custom Object Detection System** *Technologies used: TensorFlow.js, Firebase, React*

- Developed a real-time object detection system with a pre-trained EfficientNet model, converted for web deployment. Implemented secure authentication and dynamic data visualization using Firebase and React.

Image Captioning Project *Nirma University — [Project Link](#)*

- Engineered a CNN-LSTM architecture to generate image captions, trained on the Flickr8k dataset, and evaluated using BLEU score metrics.

Hybrid Movie Recommendation System

- Created a system combining content-based and collaborative filtering approaches, achieving 93% accuracy in predicting user ratings with a personalized recommendation engine enhanced by NLP algorithms.

Technical Skills

- **Languages:** Python, C++

- **Frameworks/Tools:** TensorFlow, Scikit-learn, Django, MongoDB, Firebase
- **Data Analysis Tools:** Pandas, Scipy
- **Machine Learning:** MLflow, Kubeflow (basic knowledge)
- **Cloud Platforms:** AWS, GCP (familiarity)

Certifications

- **Building Recommender Systems with Machine Learning and AI**, LinkedIn Learning — 2022

Professional Development

- Attended workshops on ML Ops and Data Science best practices.
- Participated in hackathons focusing on AI and machine learning challenges.