

# GOPAL KATARIYA

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## EDUCATION

<b>B.Tech with Artificial Intelligence &amp; Machine Learning</b> Silver Oak University <ul style="list-style-type: none"><li>Cumulative CGPA: 9.13</li></ul>	<b>2021 - 2024 • 3 yrs</b> <i>Ahmedabad, India</i>
<b>Diploma in Computer Engineering</b> Diwaliba Polytechnic <ul style="list-style-type: none"><li>Cumulative CGPA: 8.41</li></ul>	<b>2018 - 2021 • 3 yrs</b> <i>Surat, India</i>

## TECHNICAL SKILLS

**Languages & Libraries:** Python, TensorFlow, PyTorch, OpenCV, Ultralytics  
**Database & Cloud Services:** MySQL, Firebase, MongoDB, AWS  
**Tools & Technology:** Jupyter Notebooks, Git, Jira, Bitbucket, Flutter, FastApi, Django, Flask

## WORK EXPERIENCE

<b>Python with AI <a href="#">Certificate</a></b> <b>AXISRAY</b> • Internship	<b>Jan 2024 - Apr 2024 • 4 mon</b> <i>Ahmedabad, India</i>
<ul style="list-style-type: none"><li>Spearheaded enhancements to the Drive Inspector project by incorporating advanced Number Plate Detection, OCR, and RTO Database Integration functionalities, leading to a 30% reduction in manual data entry tasks and a 20% improvement in real-time compliance notifications.</li><li>Improved Indian number plate detection accuracy to 90% by fine-tuning and adding accurately annotated data.</li><li>Orchestrated the capture and processing of roadside video footage, resulting in the creation of robust custom datasets that enhanced model training effectiveness by 40%.</li><li>Created an admin dashboard to monitor vehicle detection and details, which increased decision-making by 25%.</li></ul>	
<b>AI Intern <a href="#">Certificate</a></b> <b>TUSKERAI PRIVATE LIMITED</b> • Internship	<b>Aug 2022 - Mar 2023 • 8 mon</b> <i>Ahmedabad, India</i>
<ul style="list-style-type: none"><li>Contributed to various AI projects in an 8-member team.</li><li>Developed a person counting system (91% accuracy) and a number plate recognition system (92% accuracy).</li><li>Created a fire and smoke detection system with 85% accuracy.</li><li>Built an on-site PPE detection system with 88% accuracy.</li><li>Prepared 80 computer vision datasets, ensuring data integrity and conversion to YOLO TXT format.</li></ul>	

## PROJECTS

<b>Expense Tracking with OCR <a href="#">Github</a></b>   Python, Fastapi, HTML/CSS, JavaScript, AWS Textract & S3, Mysql <ul style="list-style-type: none"><li>Integrated AWS Textract, reducing manual data entry by 40%.</li><li>Successfully slashed error rates by 50%, enhancing overall system accuracy and efficiency.</li><li>Enhancing expense tracking efficiency through precise recognition of labels and amounts from images, optimizing overall financial management.</li></ul>
<b>Quora Question Pairs <a href="#">Github</a></b>   Python, Streamlit, Scikit-learn, NLTK <ul style="list-style-type: none"><li>Implemented a comprehensive approach to solving the Quora Question Pairs problem, achieving a remarkable 75% accuracy in discerning question similarity.</li><li>Employed advanced preprocessing techniques to clean and optimize the dataset, ensuring robust and accurate analysis.</li><li>Utilized feature engineering methods, including tokenization, length analysis, and fuzzy matching, to extract meaningful features and enhance model performance.</li></ul>

## AWARDS

- Innovation ADDA - Hackathon 2020, Diwaliba Polytechnic [Certificate](#)
- Literary Events - AD-Making 2019 & 2020, Diwaliba Polytechnic [Certificate](#)

## COURSES

- [Transfer Learning for NLP with TensorFlow Hub \[Coursera\]](#)
- [Programming for Everybody \(Getting Started with Python\) \[Coursera\]](#)
- [Python Data Structures \[Coursera\]](#)
- [Flutter & Dart - The Complete Guide \[Udemy\]](#)