

SAMPRITI GOPISETTI

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SUMMARY

Computer Science graduate specializing in Artificial Intelligence and Machine Learning, with a strong foundation in full-stack development and hands-on experience building and deploying predictive models. An adaptable and results-driven problem-solver.

EDUCATION

University of Southern California, Viterbi School Masters of Science in Computer Science	Los Angeles, California August 2025-Present
<ul style="list-style-type: none"><li>Courses: Analysis of Algorithms, Web Technologies</li></ul>	
BNM Institute of Technology - CGPA: 9.84 / 10 Bachelors of Engineering in Computer Science	Bengaluru, India November 2021-June 2025
<ul style="list-style-type: none"><li>Awards: 2 Gold Medals (CSE Topper), Best Project Award (Indian Sign Language Interpreter), Merit Scholarships (5/8 semesters), IBM EcoEquify Finalist (Top 50/282), and 1st Prize in Java Hackathon</li></ul>	

SKILLS

Languages: Java, Python, C, C++, SQL, JavaScript, HTML, CSS, PHP, MongoDB  
Frameworks & Libraries: React, Node.js, Django, WordPress, Pandas, NumPy, Matplotlib, OpenCV, Skimage, PIL, Keras, Playwright  
Tools & Services: Salesforce, AWS, Azure, Power BI, Power Automate, UiPath  
Operating Systems: Linux, Windows

INTERNSHIP EXPERIENCE

Synamedia Pvt. Ltd Grad Intern	Bengaluru, India February 2025-June 2025
<ul style="list-style-type: none"><li>Led automation of backtrace checks, decreasing bug identification time from 2–3 hours to 2–10 minutes (90% efficiency gain)</li><li>Automated processing and classification of daily operational reports from customer deployments, generating summarized insights that drove agile decisions, streamlining workflows, and enabling faster, prioritized actions</li></ul>	
Technodysis Pvt. Ltd Robotic Process Automation Intern	Bengaluru, India October 2024-January 2025
<ul style="list-style-type: none"><li>Spearheaded design and implementation of EcoCash balance checking and reconciliation, decreasing processing time by 95%</li><li>Collaborated with stakeholders to automate 10+ manual workloads by designing bots, reducing task time to 3-4 minutes</li></ul>	

ACADEMIC PROJECTS

Indian Sign Language (ISL) - Python, Flask, CNN-LSTM, OpenCV, NoSQL Team Lead	Bengaluru, India January 2025-April 2025
<ul style="list-style-type: none"><li>Pioneered CNN-LSTM based approach for real-time two-hand gesture detection, obtaining 92.8% accuracy and 98% precision</li><li>Integrated models into a Flask-based platform with 10+ interactive pages, including a learning module for ISL practice and a bidirectional translation module for sign language text/audio</li></ul>	
Automail AI - Python, Django, Naive Bayes, Speech Recognition Project developer	Bengaluru, India July 2024-August 2024
<ul style="list-style-type: none"><li>Directed a voice-command email generator, boosting accuracy by 25% and reducing training time by 30%</li><li>Enhanced model training efficiency by 30% through statistical analysis and data visualization</li></ul>	
Vehicle Number Plate Detection - Python, OpenCV, Pytesseract Project developer	Bengaluru, India May 2024-July 2024
<ul style="list-style-type: none"><li>Initiated number plate recognition system, achieving 82% accuracy on 1,000+ vehicles; recognized at Smart India Hackathon</li><li>Integrated python libraries for Object identification, Greyscaling, Finding Abs-Difference and Text Extraction</li></ul>	

PUBLICATIONS

Smart ANPR: A Toll Management System Using Hybrid OCR and Blockchain	ICIITCEE 2025
<ul style="list-style-type: none"><li>Directed research on OCR + YOLOv8 for vehicle plate extraction, contributing documented results for publication</li></ul>	
Automail AI: Intelligent Voice-Controlled Email Generator	ICIITCEE 2025
<ul style="list-style-type: none"><li>Created and demonstrated ML-based voice-activated email generator, boosting efficiency and accessibility</li></ul>	
Indian Sign Language Recognition: A Systematic Review Using Deep Learning	ICCEECS 2024
<ul style="list-style-type: none"><li>Reviewed Indian Sign Language (ISL) recognition systems and proposed Generative AI enhancements to improve accuracy</li></ul>	