SAMPRITI GOPISETTI

Los Angeles, California | 213-774-8828 | sampriti.gopisetti@gmail.com | LinkedIn | Portfolio | Github

EDUCATION

University of Southern California, Viterbi School — Los Angeles, California
Masters of Science in Computer Science — August 2025-May 2027
- Courses: Analysis of Algorithms, Web Technologies

BNM Institute of Technology - CGPA: 9.84 / 10 — Bengaluru, India
Bachelors of Engineering in Computer Science — November 2021-June 2025
- Courses: Data Structures, Computer Networks, Operating Systems, Database Management Systems
- Awards: Gold Medalist (Rank 1 in Department), Best Project Award (ISL Interpreter), Merit Scholarship Recipient (5 semesters), IBM EcoEquify Finalist (Top 17%), and 1st Place in Java Hackathon
- Leadership: Sponsorship and organization member, TATVA (Annual Fest)

SKILLS

Languages: Python, Java, JavaScript, TypeScript, SQL, C++, C, C# HTML/CSS
Frameworks & Libraries: Django, Flask, React, NodeJS, Playwright
Databases: MongoDB (NoSQL), PostgreSQL
DevTools & Platforms: Git, AWS, Azure, Docker, Grafana, Linux, Jira

INTERNSHIP EXPERIENCE

Synamedia Pvt. Ltd — Bengaluru, India
Grad Intern — February 2025-June 2025
- Built a data pipeline with Python to programmatically parse and classify operational data, culminating in interactive Power BI dashboards used by the engineering team enabling agile decision-making
- Engineered an end-to-end testing suite using Playwright and Python to automate backtrace validation, decreasing bug identification time from 3 hours to under 10 minutes (a 90% efficiency gain)

Technodysis Pvt. Ltd — Bengaluru, India
Robotic Process Automation Intern — October 2024-January 2025
- Automated 10+ business processes by deploying a Power Automate solution to process files from Outlook, perform calculations in Excel, and distribute reports, achieving a 95% reduction in manual effort

ACADEMIC PROJECTS

Indian Sign Language (ISL) Interpreter — Bengaluru, India
Team Lead | Python, Flask, JavaScript, OpenCV, WebSockets | Published (Springer) — January 2025-April 2025
- Architected a scalable RESTful API using Python and Flask, achieving an average response time of under 150ms
- Led the engineering of a high-throughput data pipeline using WebSockets to stream video at 30 FPS from the client
- Designed a NoSQL data model using MongoDB to persist user profiles and track progress through learning modules, ensuring efficient state management

Automail AI — Bengaluru, India
Project developer | Python, Django, JavaScript, SMTP | Published (IEEE) — July 2024-August 2024
- Engineered a scalable backend system using Django, designing robust RESTful APIs to handle asynchronous voice data processing and SMTP integration
- Developed a client-side interface using vanilla JavaScript, HTML, and CSS to capture user voice commands and render email content dynamically

Vehicle Number Plate Detection — Bengaluru, India
Project developer | Python, OpenCV, Keras, PHP | Published (IEEE) — May 2024-July 2024
- Launched a full-stack vehicle recognition application by creating a PHP backend that exposed a Python vision system via a RESTful API
- Spearheaded the design of a scalable, end-to-end image processing pipeline to handle data ingestion and preprocessing
- Implemented a user-facing web interface with HTML, CSS, and JavaScript to handle asynchronous image uploads and display the extracted results from the API