SAMPRITI GOPISETTI

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EDUCATION

University of Southern California, Viterbi School – CGPA: 3.3/4.0   Los Angeles, California
Masters of Science in Computer Science   August 2025-May 2027
- Courses: Analysis of Algorithms, Web Technologies
- Awards: 1st Place (Vercel Category) at GoodVibesOnly Hackathon

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) and Merit Scholarship Recipient (5 semesters)
- Leadership: Sponsorship and organization member, TATVA (Annual Fest)

SKILLS

Languages: Python, Java, C, C++, C#, JavaScript, TypeScript, SQL, HTML/CSS
Web & Frameworks: React.js, Node.js, Django, Flask, Vite, Tailwind CSS
Cloud & DevOps: AWS, Azure, Docker, Git, Grafana, Linux
Testing & Tools: Playwright (Automation), Jira, Power BI, Power Automate

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

Event Search   California, US
Project developer | React, Kotlin, Node.js, MongoDB, Jetpack Compose   September 2025-December 2025
- Constructed a cross-platform discovery suite featuring a React/TypeScript web app and a Kotlin/Jetpack Compose Android app, integrating Ticketmaster, Spotify, and GCP Geocoding APIs
- Developed robust state management (React Query/State Flow) and persistent storage (MongoDB/Data Store) to sync user favorites, achieving a 90% satisfaction rate across 20+ peer evaluations

PromptQuest   California, US
Project developer | React, TypeScript, Python, GCP, Gemini AI | Winner, GoodVibesOnly Hackathon   November 2025
- Spearheaded a full-stack gamified progression system to train users in prompt engineering, utilizing Generative AI (Gemini) to evaluate user inputs against a custom quality-scoring algorithm
- Launched an automated feedback loop that detects vague inputs and optimizes context windows, successfully gamifying the prompt optimization process for over 10 levels of increasing difficulty

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