

# Bhavesh Sidhwani

9146154501 | sidhwanibhavesh@gmail.com | github.com/BhaveshSidhwani | linkedin.com/in/bhavesh-sidhwani

## WORK EXPERIENCE

<b>Software Engineer</b> , Cielara AI – Seattle, WA	<b>Oct 2024 – Jun 2025</b>
<b>Cloud Observability and Insights</b> [Go, Python, AzureAI, Gemini, GCP, Docker]	
<ul style="list-style-type: none"><li>Built a RAG pipeline powering 7 AI agents to facilitate infrastructure security, management and compliance.</li><li>Developed infra-scanner Go service transforming observability data into a knowledge graph persisted on GraphDB.</li><li>Integrated a vector database for dynamic Cypher query generation for precise sub-graph context retrieval, reducing token usage by 75%.</li><li>Designed a continuous evaluation pipeline for RAG agents using RAGAS to prevent model drift and ensure long-term relevance.</li><li>Engineered a critique feedback agent in a dual-LLM setting, boosting relevancy evaluation score by 15%.</li></ul>	
<b>Full Stack Developer</b> , Saayam for All – Seattle, WA	<b>Jun 2024 – Oct 2024</b>
<b>Accessible help platform</b> [JS/TS, Java, React, Redux, AWS]	
<ul style="list-style-type: none"><li>Developed responsive webpages using React and Redux, improving UX across multiple devices and browsers.</li><li>Designed and implemented microservice APIs using Spring Boot, contributing to a scalable backend architecture.</li><li>Secured user authentication by integrating AWS Cognito.</li></ul>	
<b>Software Developer Intern</b> , MAD Engineers – Mumbai, India-MH	<b>Nov 2021 – May 2022</b>
<b>Inventory Management System</b> [Java, Android, OAuth2, Firebase]	
<ul style="list-style-type: none"><li>Developed Inventory Management application, boosting operational efficiency by reducing stockout by 30%.</li><li>Streamlined extraction and load process of legacy data from Google Drive, utilizing OAuth2 and Drive API.</li><li>Optimized and secured product data flow through Firebase Authentication and Realtime Database.</li><li>Improved user experience and memory utilization by implementing lazy page loading.</li></ul>	

## EDUCATION

<b>MSc in Computer Science</b> , Rutgers University – New Brunswick, NJ; GPA: 3.88	<b>May 2024</b>
<b>BEng in Computer Engineering</b> , University of Mumbai – Mumbai, India-MH; GPA: 3.7	<b>June 2022</b>

## ACADEMIC EXPERIENCE

<b>ASL recognition using CNN</b> [Python, TensorFlow, Keras, PyTorch, CV2]	(GitHub)
<ul style="list-style-type: none"><li>Trained 4 CNN models with over 196,000 image dataset and classifying with over 95% accuracy.</li><li>Streamlined ASL prediction by integrating CNN models with live video stream.</li></ul>	
<b>Operating System Libraries</b> [C, Multithreading, Memory Allocation, File System]	(GitHub)
<ul style="list-style-type: none"><li>Integrated SJF, MLFQ schedulers with thread control, achieving 5% faster thread execution than pthread library.</li><li>Referenced 4GB of memory by implementing 2-level page table of 16KB page size and optimized it using TLB.</li><li>Leveraged FUSE framework to enhance I/O efficiency of disk operations by 10% for sequential operations.</li></ul>	

## TECHNICAL SKILLS

<b>Programming Languages</b>	Go, Python, Java, C/C++, JavaScript, SQL, PHP, HTML/CSS
<b>Frameworks/ Libraries</b>	Node, Express, Next, React, Spring Boot, Keras, PyTorch, TensorFlow, Flask, Django
<b>Data &amp; AI</b>	RAG, LLM, OpenAI, AzureAI, Llama, Gemini, Vector database, GraphDB
<b>DevOps &amp; Cloud</b>	Docker, Git, AWS, GCP, Azure, Firebase, Kubernetes
<b>Databases</b>	MySQL, PostgreSQL, MongoDB

## CERTIFICATES AND ACHIEVEMENTS

- Data Science Nanodegree certification [Python, NumPy, Pandas, SQL, PostgreSQL].
- Rank 2 for Cloud storage server project, Inter-college Technical Project Exhibition at VES Polytechnic.