

# Vishnu Reshamwala

Camarillo, California | +1 805-506-1764 | [vishnu.reshamwala764@myci.csuci.edu](mailto:vishnu.reshamwala764@myci.csuci.edu)  
[github.com/v1shnucs](https://github.com/v1shnucs) | [linkedin.com/in/v1shnucs](https://linkedin.com/in/v1shnucs) | [v1shnucs.github.io](https://v1shnucs.github.io)

## EDUCATION

California State University Channel Islands, Camarillo, CA	Aug. 2023 - Dec 2025
Master of Science in Computer Science (GPA: 3.9/4.0)	
Bhagwan Mahavir College of Engineering and Technology, Surat, India	Jul. 2018 - May 2022
Bachelor of Engineering in Computer Engineering (CGPA: 7.85/10.00)	

## RELEVANT COURSEWORK

Neural Networks, Pattern Recognition, Cloud Architecting, Advanced Database Systems, Artificial Intelligence, Machine Learning, Linux System Administration, Analysis & Design of Algorithms, Cyber Security

## TECHNICAL SKILLS

- Programming Languages: C/C++, Java, JavaScript, TypeScript, Python, ROS (Robot Operating System)
- Tools/Technologies: Git, Docker, CI/CD, AWS, GCP, Linux/Unix
- Web & App Development: HTML, CSS, SQL, React, Node, Next.js, Express, PostgreSQL, NestJS, MongoDB, RESTful APIs
- Machine Learning & AI: TensorFlow, Keras, PyTorch, NumPy, Pandas, Scikit-Learn, Matplotlib, CNN, ResNet, LangChain, FAISS, LLaMa, HuggingFace, Amazon SageMaker, OpenAI API

## PROJECTS

MS Capstone: Intelligent Human-Robot Interaction System (ROS, OpenAI API, CNN ResNet, Docker) [In Progress]

- Developing an advanced human-robot interaction system using Sawyer robot platform that combines computer vision for object detection and natural language processing for intuitive control
- Implementing CNN ResNet architecture for real-time shape and color recognition, integrating with OpenAI API for speech-to-text processing and command interpretation
- Creating a containerized deployment using Docker and ROS framework for robot control system, enabling efficient development and reproducible deployment

TinderJob: Swipe-Based Job Matching (React.js, NestJS, MongoDB, JWT Authentication, RESTful APIs) [Youtube]

- Developed an innovative job recruitment platform that revolutionizes hiring with a swipe-based interface for seamless recruiter-job seeker matching
- Features secure authentication, instant messaging, and automated interview scheduling

Retrieval-Augmented Generation (RAG) AI Agent (LangChain, FAISS, LLaMa, HuggingFace Transformers)

- Architected an AI agent using Retrieval-Augmented Generation (RAG) to provide context-aware responses
- Implemented document loading, vector storage, and retrieval using LangChain and FAISS. Integrated LLaMa language model for generating context-aware responses
- Created an interactive command-line interface for real-time user queries, enhancing information retrieval from a local document corpus

Yelp Clone (React, Express, PostgreSQL)

- Constructed a simplified Yelp clone with a React front-end, Express server, and PostgreSQL database
- Developed a dynamic UI for seamless data interaction and imported 500,000+ Yelp entries into the database

## EXPERIENCE

IT Help Desk Student Assistant | *On-Campus* Aug. 2024 - Present

- Provided comprehensive technical support to university community, resolving complex network, application, and A/V issues while managing incidents through TeamDynamix with 95% satisfaction rate
- Optimized service delivery through scripting automation and systematic problem-solving, collaborating with team members to streamline support processes and enhance operational efficiency

## CERTIFICATIONS & ACHIEVEMENTS

Machine Learning by Stanford University (Coursera) | Grades Achieved: 100% Mar. 2024

AWS Academy Graduate - AWS Academy Cloud Architecting Dec. 2024

AWS Academy Graduate - MLU Machine Learning through Application Dec. 2023

CSUCI Mission & Amazon Web Services (AWS) Hackathon Event Sept. 2023

- Won the CSUCI, Mission & AWS Hackathon by collaborating with a team to solve technical challenges using AWS services in a gamified competition hosted by AWS, Mission, and CSUCI Computer Science

Artificial Intelligence Club | Member Sept. 2023 - Present

- Active member of CSU Channel Islands university club centered around Artificial Intelligence topics