

# Davis Victor

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## SUMMARY

Software Engineer with experience in backend systems, ML models, cloud infrastructure, and full-stack development using Python, Java, C++, React, AWS, Azure, and GCP. Pursuing Master's in Artificial Intelligence (UCLA)

## EDUCATION

### University of California, Los Angeles (UCLA) | Los Angeles, CA

Master of Engineering, Major in Artificial Intelligence | Sep. 2024 – June 2025

- Focusing on Deep Learning, Neural Networks, Machine Learning Algorithms, and Computer Vision

### Vellore Institute of Technology (VIT) | Chennai, TN, India

Bachelor of Technology, Computer and Electronics Engineering | May 2018 – May 2022

- Relevant Coursework: Advanced Mathematics, Data Structures and Algorithms, OOPs, OS

## EXPERIENCE

### Advanced Software Engineer | Accenture | Mumbai, India | Oct. 2022 – Aug. 2024 (1 year 11 months)

- Built AI-powered chatbots (React/Node.js), improving client decisions by 40% in MENA market.
- Deployed full-stack apps (Docker, Kubernetes, Azure) achieving 99.9% uptime with monitoring & logging.
- Trained 10+ associates on web dev, testing, and deployment; boosted team productivity by 50%.
- Built REST APIs (multi-tier), increasing throughput by 45% while meeting security standards.

### Software Engineer Intern | Zenys Digital Solutions | Trivandrum, India | Nov. 2020 – Apr. 2021

- Built CRM SaaS app (Angular, Firebase); reduced load time by 30%.
- Delivered full product lifecycle: feature development, testing, deployment, and production support.

## RESEARCH & PROJECTS

### Vehicular Control Unit | Bruin Racing | September 2024 – Present

- Automated code updates reducing coding errors by 30% and improving system reliability.
- Integrated Python-based code generation pipeline to automate VCU firmware configurations across multiple hardware variants.
- Implemented version-controlled configuration management system to minimize deployment risks and streamline codebase consistency for hardware-in-the-loop simulations.

### Machine Translation Using Dictionary Based Techniques | IEEE | May 2023

- Built NLP-powered educational platform with 5,000+ words and phonetic translations for South Indian languages.
- Developed hybrid rule-based NLP models achieving 90% accuracy; optimized trie search improving lookup by 40%.

## SKILLS

**Languages:** Python, Java, C++, C, JavaScript, SQL, TypeScript, R

**Frameworks:** React, Node.js, Angular, Next.js, NiceGUI, PyTorch, TensorFlow, Spring (*basic*)

**Cloud/DevOps:** AWS, Azure, Docker, Kubernetes, Git, CI/CD pipelines

**Databases:** Snowflake, MongoDB, Firestore, MySQL