AADESH THOPPAE

+1 (408) 355-8589 | athoppae@gmail.com | linkedin.com/in/aadesh-thoppae-5b10311b4/ | aadeshh.github.io/Portfolio/

SKILLS

- **Skills:** Python, C/C++, Go, Java, AWS, JavaScript, React.js, Git, JIRA, Docker, SQL

PROFESSIONAL EXPERIENCE

Soundromeda   **Remote**
Software Developer   *Aug 2024 - Aug 2025*
- Spearheaded development of Odyssey, a gaming platform integrating Web3 payment systems and music streaming services, projecting 200% increase in user engagement
- Optimized cross-platform architecture ensuring 99.9% uptime and sub-second response times
- Orchestrated secure payment processing and authentication workflows through multiple third-party APIs, while maintaining robust data management protocols

UC Davis   **Davis, CA, USA**
Cybersecurity Lab Assistant   *Aug 2023 - Jun 2024*
- Collaborated with professors on the GEMSOS security kernel, enhancing security features and gaining valuable insights into advanced security protocols
- Established a multi-year project to implement a secure voting system, improving system reliability and security protocols

UCD EcoCar   **Davis, CA, USA**
Developer - Connected and Autonomous Vehicles Team   *Jun 2023 - Jun 2024*
- Enhanced EV's performance for competition by upgrading technologies used by the Connected and Autonomous Vehicle team
- Conducted Vehicle benchmark tests to identifying and mitigating inefficiencies in the sensor fusion algorithms
- Developed an enhanced sensor fusion algorithm, increasing reliability by 20% to produce greater results in competition

IOURING
Software Engineering Intern   *Aug 2023 - Oct 2023*
- Designed and developed high-performance Client-Server Application in Go, leveraging client pooling and MySQL for efficient data storage.
- Engineered a RESTful API to organize and handle tasks in a ToDo list fashion

EDUCATION

University of San Francisco   **Aug 2025 - Jun 2027**
Master's, Computer Science - AI Concentration

University of California - Davis   **Sep 2020 - Jun 2024**
Bachelor's, Computer Science
- Relevant Coursework: Data Structures/Algorithms, Artificial Intelligence, Machine Learning, Computer Architecture, Computer Networks, Operating Systems, Computer Security, Parallel Programming, Multithreaded/Concurrent programming

PROJECTS

Doc - Medical ChatBot   *Jan 2025 - Feb 2025*
Creator
- Architected a sophisticated medical chatbot using Large Language Models (LLM), LangChain, and Pinecone
- Implementing a robust Retrieval-Augmented Generation (RAG) pipeline for accurate healthcare information retrieval
- Developed an intelligent virtual assistant with advanced vector search capabilities, leveraging OpenAI's language model to process complex medical queries and generate precise, contextually relevant responses

CERTIFICATIONS

AWS Solutions Architect - Associate | Amazon Web Services (AWS) - Sept 2024