

Charith Lanka

📞 425-428-7476 | ✉️ rithlanka@gmail.com | 🌐 charithlanka | 📱 lankacharith

EDUCATION

University of Washington

Seattle, WA

Bachelor of Science: Computer Science

Jun 2027

Relevant Coursework: Data Analysis, Software Engineering, Operating Systems, Algorithms, Artificial Intelligence

GPA: 4.0

EXPERIENCE

OmniSynkAI

Bellevue, WA

Product Management Intern

Sep 2023 - Current

- Led the development of **machine learning models** for equipment failure prediction, collaborating with engineering and data science teams to reduce downtime by 25%.
- Defined product features and prioritized tasks by conducting market research and competitive analysis, contributing to a **20% growth** in market share.
- Managed **A/B testing cycles** to ensure product alignment with user needs, achieving a 95% confidence level in model accuracy.
- Collaborated with **UX designers** to refine the user experience of critical monitoring systems, ensuring seamless integration of predictive analytics.

Horizen Ag

Redmond, WA

Software Engineer Intern

Jun 2024 – Sep 2024

- Diagnosed and resolved **10+ high-priority technical issues**, improving system uptime.
- Developed and deployed an **AI-powered chatbot** in C# and React, integrating with the ERP system, cutting client information retrieval time by 50%.
- Streamlined shipping workflows by automating inventory synchronization using **Entity Framework**, minimizing manual entry errors by 40% and improving shipment processing efficiency.

ACADEMIC PROJECTS

AI-Powered Vector Search Chatbot

- Developed a chatbot that answers questions based on custom documentation using OpenAI's GPT, LangChain, and MongoDB Atlas for vector search.
- Integrated with Bacalhau documentation, enabling users to get accurate responses based on official docs.

ADDITIONAL

Technical Skills: Advanced in SQL, PHP, JavaScript, HTML/CSS; Proficient in MATLAB, Python, AWS, GCP, MERN, LLM development, Excel, Product Management, User Needs Analysis, Market Research, Cross-Functional Collaboration, Salesforce, Hubspot.

Awards: Dean's list (every quarter)