Charith Lanka

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EDUCATION

University of Washington   **Expected June 2027**
B.S. in Computer Science
GPA: 3.9
Coursework: Data Structures and Algorithms, Hardware and Computer Organization

TECHNICAL SKILLS

Programming Languages: Java, C++, C#, Python
Frameworks: React Native, GraphQL, Entity Framework, NLTK

RELEVANT EXPERIENCE

Junior Developer | Horizon Ag | Bellevue, WA   **May 2024 - Sep 2024**
- Diagnosed and resolved 10+ technical bugs.
- Engineered an AI-powered chatbot using C# and React that integrated with the company's ERP system, reducing response times by 30%.
- Enhanced shipping workflows by syncing shipments and inventory via Entity Framework, contributing to a 15% reduction in processing time.

ACADEMIC PROJECTS

Sentiment Analysis Using VADER and RoBERTa   **Nov 2024**
- Analyzed 50+ topics from 5000+ Google search results using VADER, RoBERTa, and Hugging Face Transformers to extract public opinion trends.
- Built an automated web scraper with BeautifulSoup and Google Custom Search, optimizing token usage for efficient data retrieval.
- Developed scalable pipelines with Python, Pandas, and NLTK to process 50,000+ data points and visualize sentiment trends with Matplotlib and Seaborn.

CONTRIBUTIONS

Distributed Computing with Bacalhau   **Jan 2025**
Advisor: David Aronchick, Founder, Expanso
- Refined Bacalhau installation and setup guides, enhancing clarity for new users
- Contributed a Sentiment Analysis example demonstrating Bacalhau's distributed machine learning capabilities.
- Improved usability and accuracy of Private Networking and Workload Onboarding documentation.