Harini Baskar

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Education

California Polytechnic State University - San Luis Obispo **San Luis Obispo, California**
Bachelor of Science in Computer Science June 2027
On-Campus Activities: Computer Science and Artificial Intelligence Club, Society of Women Engineers, Women in Software and Hardware

Technical Skills

Languages/Frameworks: Python | Java | C | C++ | HTML/CSS | UNIX shell

Relevant Coursework: Data Structures | Project Based Object Oriented Programming and Design | AI/ML | Introduction to Computer Organization | AWS CCP - Certified Cloud Practitioner

Experience

People Tech Group Redmond, WA
Generative AI Intern June 2024 – Present
- Delivered impactful projects in Generative AI (GenAI) using AWS Cloud Services, leveraging a variety of tools to build, train, and deploy AI models efficiently and at scale.
- Submitted eCR documents to the Anthropic Claude 3 Haiku model on Amazon Bedrock using natural language prompts, extracting specific data such as hospitalization status and treatment.
- Engineered a web application interface using Streamlit, facilitating seamless interaction between users and the knowledge base.

Prairie View A+M University Remote, Texas
Summer Intern July 2022 - August 2022
- Guided with tools required to begin learning in computer science, tech, and college.
- Certified of skills to become a savvy, self-starting achiever in a tech-centric world by mentor. Facilitate minimal downtime and optimization, while also automating daily tasks to minimize human error.
- Furthered knowledge about data science and AI through working on a research project assisting a computer science associate professor involving machine learning.

Computer Science and Artificial Intelligence Cal Poly Club San Luis Obispo, California
Social Media Lead June 2024 – Present
- Manage the club's social media team, coordinate meeting times, and create sprints to delegate weekly tasks.
- Implement targeted social media campaigns, to result in a marked increase in customer interaction and engagement across key platforms.
- Lead initiatives to develop projects, workshops, and lectures to enhance members' understanding of AI.

VEX Robotics Seattle, Washington
Member June 2017 - June 2023
- Contributed to various team functions, including engineering (robot construction), maintaining the engineering notebook, and programming the robot for competitions.
- Developed and coded a website for the robotics team using HTML.
- Embraced and demonstrated core values such as collaboration, innovation, impact, and discovery.

Projects

Virtual World Game - Project Based Object Oriented Programming and Design
- Add entirely new functionality to the virtual world in the form of a "world-changing event" that creates brand-new entities to interact and change the world.
- Create and integrate new classes as extensions to an existing class hierarchy.
- Utilize code that interacts with external non-text, image data files.

Huffman Coding Algorithm - Java
- Imposed a data compression algorithm, Huffman Coding Algorithm, to decode and code files while being able to achieve computational complexity in O(n log(n)) runtime with reduced filing size of up to 75% in certain test cases.
- Optimized priority queues and search trees used to reduce file size by respectively accounting for character occurrence frequency in the inputted file and ASCII value memory through proper string orientation.

Volunteering

Sustainability Ambassadors Seattle, Washington
Member September 2017 - June 2023
- Spoke in the State Solar Conference, representing youth voice in the State of Washington.
- Conducted multiple community events through the University of Washington's environmental department.
- Coordinated the yearly event 2050 update: An event that builds a vision on what the community might look like if it reached 100 percent sustainability, and the critical actions that need to be taken. Facilitated over 200 kids, through six sustainable systems: water, energy, transportation, materials management, climate change, and natural systems.