

Suhaas Achanta

(847) 414-0877 | suhaasachanta@gmail.com

EDUCATION

The Pennsylvania State University
College of Engineering
Bachelor of Science in Computer Science
Minor in Business

Class of 2025

RELEVANT COURSEWORK

Data Structures · Object-Oriented Programming · Algorithms · Systems Programming · Operating Systems & Networks · Database Systems · Machine Learning · Artificial Intelligence · Cybersecurity · Web Development

TECHNICAL EXPERIENCE

Reality AI Lab

Remote/ San Francisco, CA

Generative AI Engineer

March 2025- Present

- Built educational tools like the Presentation Generator and Image Generator using FastAPI, Vertex AI, and Gemini 2.0 Pro, including prompt enhancement, safety filtering, and content relevance modules.
- Conducted benchmarking across tools (DALL-E 3, Canva, etc.) to guide model selection for safe educational use.
- Currently developing a Research Summarizer app using LangChain, Next.js, and Google Gemini, focused on summarizing long documents/URLs into clean, accurate overviews.
- Architecting with RAG pipelines, LangChain agents, and planning future features like file upload, user accounts, and marketplace integration.

Bell, Textron

Fort Worth, Texas

Software and Cyber Security Intern

June-August 2024

- Engineered Python data pipelines and web dashboards for BECA, Bell's in-house AI engine, reducing inference latency by 30% and enabling real-time insights.
- Automated legal-hold software deployment to 2,000+ endpoints via PowerShell & PDQ Deploy, cutting manual effort by 80%.
- Migrated on-premises file shares into Azure DevOps Git repos and scripted Python workflows for automated permission management, ensuring compliance and auditability.
- Designed a service-account password prefix system to detect and track exposed credentials across platforms.
- Developed Informatica ETL workflows with OAuth-secured integrations to Salesforce; configured Splunk alerts for admin-group anomalies and conducted CyberArk security audits.

Celkon

Hyderabad, India

Software Development Intern

May- August 2023

- Developed and optimized core iOS features using Swift and Xcode Instruments, improving app launch times and runtime performance by 25%.
- Managed the Git repository and introduced Asana for sprint planning, boosting on-time feature delivery by 30%.

WebileApps

Hyderabad, India

Mobile App Development Intern

April – August 2021

- Contributed key features to the Gift-Effects iOS app alongside a team of five, refining code to meet functional requirements.
- Led testing and debugging efforts to improve app stability and collaborated with clients in weekly calls to iterate on UI/UX enhancements.

Projects

Dynamic Memory Allocator C	https://gitfront.io/r/suhaas55/uziwxGhpREse/MemAlloc/
<ul style="list-style-type: none">Developed a dynamic storage allocator for C programs, implementing custom versions of malloc, free, and realloc functions.Designed and implemented a heap consistency checker to ensure the integrity of the heap, checking for issues like overlapping allocated blocks and invalid pointers.Created an allocator that is correct, space-efficient, and fast, with 16-byte alignment for allocated blocks.	
Concurrency Synchronization Channel C	https://gitfront.io/r/suhaas55/Pf5APUKi8ZEV/Concurrency/
<ul style="list-style-type: none">Created a channel for message passing to enable synchronization among multiple clients, supporting both blocking and non-blocking send/receive operations.Implemented functions for creating, sending, receiving, and destroying channels, ensuring efficient and correct communication between threads.Designed the channel to handle multiple concurrent senders and receivers, optimizing for correct functionality and avoiding CPU wastage.	

LEADERSHIP EXPERIENCE

14 Reels Entertainment	Hyderabad, India
Production Manager	May-July 2022
<ul style="list-style-type: none">Oversaw filming and post-production workflows for a 150-person multimedia team, streamlining operations to boost efficiency by 25%.	
Sumo Biscuits	Telangana, India
Manager Intern	July – August 2022
<ul style="list-style-type: none">Partnered with leadership in an FMCG manufacturing environment to redesign processes, delivering a 150% increase in operational efficiency and substantial cost savings.	

TECHNICAL SKILLS

Languages: Python, C/C++, Java, Swift, HTML/CSS, JavaScript, SQL, PowerShell
Developer Tools: Git, Azure DevOps, VS Code, Xcode, Docker
Technologies/Frameworks: FastAPI, LangChain, Next.js, Vertex AI, Gemini 2.0, RAG, Splunk, CyberArk, Informatica, PostgreSQL

SKILLS/AWARDS

Proficient in: English, Telugu, Hindi; Conversational in: Sanskrit
Awards: Fall 2022 Dean’s List 3.91/4.00 GPA , Spring 2023 Dean’s List 3.53/4.00 GPA