

Sakthi Thanigai

Senior @ University of South Carolina (Columbia Campus)

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★ B.S Major: Computer Science & Engineering



SUMMARY

Driven and detail-oriented final-year Computer Science student with a solid foundation in software development, systems analysis, and product management. Demonstrates a strong ability to translate academic knowledge into practical solutions through hands-on project work and a dynamic internship experience. Actively exploring cutting-edge Artificial Intelligence technologies including Machine Learning, Deep Learning, Neural Networks, and Generative AI. Recognized for critical thinking, collaborative mindset, and a passion for innovation. Eager to contribute to a fast-paced software engineering environment where academic excellence and real-world experience can drive impactful results.

EDUCATION

B.S Major: Computer Science & Engineering (Senior)

University of South Carolina

📅 08/2022 - Present 📍 Columbia, SC

- Relevant Coursework: Software Engineering, Application programming, Advanced Programming Techniques, Algorithm Design, Data Structures, Computer Architecture, Operating Systems, Unix/Linux Fundamentals, Computer Networks, Discrete Structures, Technical Writing, Statistics, Principles of Management, Intro to Neuroscience, Psychology, Artificial Intelligence...
- Capstone Project (Final Year Project): Working on Game Development.

WORK EXPERIENCE

Software Engineer Intern - IT Digital Team
(www.basspro.com / www.basspro.ca)

Bass Pro Shops

📅 05/2025 - 08/2025 📍 Springfield, MO

Bass Pro Shops, a top outdoor retailer, operates stores and e-commerce platforms. As a Software Engineering Intern, I enhanced U.S./Canada e-commerce sites in an Agile team, resolving issues and supporting cloud deployments on Microsoft Azure.

- Participated in sprint planning, daily stand-ups, and production releases within a CI/CD DevOps environment.
- Diagnosed and implemented root-cause fixes for multiple production incidents, ensuring high-availability online shopping.
- Delivered enhancement requests to improve key user flows, including product navigation, site search, and checkout experience.
- Gained hands-on exposure to enterprise e-commerce features such as payment/tax integrations, order management, customer account updates, and wishlist functionality.
- Executed end-to-end functional testing of website capabilities, from product discovery to order placement and self-service modifications.
- Collaborated cross-functionally with Software Engineers, QA, and Business stakeholders to ensure smooth feature deployments and optimal customer experience.
- **Technologies Used:** Java, ReactJS, HTML, CSS, SQL, Microservices architecture, Microsoft Azure Cloud, CI/CD, Agile Scrum

HARD SKILLS

HTML(5)/CSS		JavaScript	
React.JS	C++	Java	SQL
GitHub	Linux/Unix	Azure Cloud	
Data Structures		Algorithms & Designs	
Microservices		Artificial Intelligence	

SOFT SKILLS

Adaptability	Growth Mindset
Collaboration	Teamwork
Communication	Critical Thinking
Problem Solving	Professionalism
Accountability	Time Management

TRAINING / COURSES

Introduction to Artificial Intelligence

IBM

Scalable Microservices for Developers

Vanderbilt University

Programming Foundations with JavaScript, HTML and CSS

Duke University

Software Product Management Specialization

University of Alberta

Complete AI Engineer Bootcamp (In Progress - Will be completed by Nov 2025)

Udemy

The Complete Agentic AI Engineering (In Progress - Will be completed by Jan 2026)

Ed Donner, Leader & Founder of AI Startups (Nebula & untapt)

AI Engineering Professional Certificate (In Progress - Will be completed by Feb 2026)

IBM

WORK EXPERIENCE

Resident Assistant

University of South Carolina

📅 08/2023 - 05/2024 📍 Columbia, SC

Public university offering a diverse range of undergraduate/graduate programs with a focus on research, innovation & community engagement.

- Provide mentorship and support to residents, fostering a positive community environment.
- Ensure safety and security through regular health and safety inspections and crisis response.
- Plan and host events to engage residents and build a sense of community.
- Conduct weekly engagement hours and attend staff meetings to maintain accessibility and communication.
- Mediate conflicts and refer residents to appropriate resources for additional support.
- Assist with administrative tasks and larger departmental initiatives.

Tutor

Kumon Institute of Education

📅 06/2019 - 07/2022 📍 Wesley Chapel, NC

Education network primarily used to teach Math, Reading and Writing for elementary, middle and high school kids.

- Instructed young children (3 ~ 15) Math and English.
- Grade tests and papers and recorded grades for teaching staff
- Prepared children's homework.
- Reported on student progress, behavior and social skills to parents.

Grader / Teaching Assistant

Eye Level Learning Center

📅 06/2018 - 05/2019 📍 Charlotte NC

Global supplement education service provider for children to be critical thinkers.

- Teaching Math and English for Elementary and Middle school Kids.
- Grading test(s) and home works.

HACKATHON NC

NC State University Hackathon

📅 11/2024

During a 48-hour hackathon at NC State University, I collaborated with a team of four to design a movie recommendation system. We built an algorithm to analyze user preferences—genres, actors, and directors—and generate personalized suggestions using machine learning. Focused on enhancing accuracy and relevance, I served as Product Manager, defining key capabilities, identifying use cases, and guiding model improvements by assisting with test and training data. This experience sharpened my skills in teamwork, rapid prototyping, and deploying scalable recommendation systems.

PROJECTS PORTFOLIO

Coding Demonstration

GitHub Repository

🔗 <https://github.com/SakthiThan03>

Explore my GitHub for projects in Java, C++, Linux, and HTML. Demonstrates proficiency in data structures, algorithms, and scripting.

VOLUNTEERING

Blood Donor Ambassador

American Red Cross

📅 06/2018 - Present

The American Red Cross (ARC), is a non-profit humanitarian organization that provides disaster relief, and blood donation camps.

President

Framework for Future (F4F)

📅 03/2018 - 07/2022

F4F is a 501(c)3 youth-led non-profit leadership organization for young adults focused on creating next generation leaders, connecting school students with civic, business, and community leaders.

LEADERSHIP AWARDS

★ **MVP Of the Year(2019) for Volunteering & engaging youth leaders.**

★ **Result Oriented Leadership Award (2019)**

★ **Coach of the Year (2020) for mentoring new members.**

★ **Walter Payton Manning Award (2020) for having positive impact on the community.**

★ **Art Rooney Award(2020) for great sportsmanship in the organization**

★ **COVID-19 Warrior Award (2021)**