

Sethuram Jeevanandham Kamalakannan

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SUMMARY

Second-year Computer Science student at Purdue University with strong problem-solving skills and a growing specialization in Artificial Intelligence. Actively pursuing internships and research opportunities to apply knowledge in machine learning and algorithms, while developing expertise in AI-driven applications and systems.

EDUCATION

Purdue University – BS in Computer Science Aug 2024 – May 2028

- **Relevant Coursework:** Problem Solving & Object-Oriented Programming, Foundations of Computer Science, Multivariate Calculus, Linear Algebra, Psychology.

EXPERIENCE

Internship – WebBits: Entry-Level Software Developer Jun 2025 – Present

- Incoming Summer 2025 Intern.

Internship – Zayan Soft Tech: AI & Python Intern May 2025 – Present

- Built a predictive model for customer behavior analysis using Google Colab, applying machine learning techniques to real-world datasets.
- Developing an invoice-generation application with a custom GUI that exports client-ready PDFs, integrating automation and user interface design.

Externship – Extern (Outamotion): AI-Powered Workflow Automation Extern Mar 2025 – May 2025

- Built a basic Retrieval-Augmented Generation (RAG) pipeline with LlamaIndex and open-source AI models.
- Automated document processing using Python, including text annotation, data extraction, and NLP techniques.
- Applied AI-driven tools to extract structured insights from documents, enhancing workflow efficiency.

Part-time – Bricks 4 Kidz: Robotics Instructor Apr 2022 – May 2024

- Taught introductory robotics and programming concepts using LEGOs and block-based coding tools.
- Managed classroom activities to create an engaging and hands-on learning environment for young students.

PROJECTS

Portfolio Website Jun 2025

- Developed a fully responsive portfolio using React and Tailwind CSS.
- Features smooth animations and a modern, indigo-pink theme for both a personal/professional and unique aesthetic (continuous development).

AI ChatBot Jun 2025

- Building a document-aware chatbot tailored to Purdue's academic policies using PDF parsing and context-aware responses.
- Enabling natural language queries over complex institutional documents (still in development).

Invoice-Generation App Jun 2025

- Implementing a dynamic invoice application with a custom GUI and automated PDF export functionality.
- Combining backend automation with user-centric frontend design to streamline billing workflows for clients (still in development).

RAG Pipeline May 2025

- Developed a Retrieval-Augmented Generation pipeline using LlamaIndex and open-source language models to enhance document-based question answering.
- Integrated Colab and a Slideshow walkthrough to demonstrate architecture, embedding flow, and retrieval logic in a practical context.

CERTIFICATIONS

AT&T Technology Academy

Jun 2025

- Gained exposure to industry-relevant technologies including cloud computing, cybersecurity, and RESTful API design.
- Explored Agile methodologies, software development life cycles, and scalable network architectures in enterprise settings.
- Learned how large-scale tech organizations approach digital transformation, automation, and secure infrastructure design.

Google Cloud Cybersecurity Certificate

Apr 2025

- Applied cybersecurity principles to real-world scenarios using Google Cloud tools, including IAM, VPC firewalls, and security command center.
- Built foundational knowledge in threat detection, risk assessment, and cloud incident response strategies.
- Explored best practices in securing cloud infrastructure, data encryption, and regulatory compliance within GCP.

Bloomberg Forage Job Simulations – Client Service & Engagement

Mar 2025

- Completed simulations acting as a Bloomberg Client Service and Engagement representative.
- Resolved hypothetical client issues using prioritization techniques (Eisenhower Matrix) and root cause analysis.
- Reviewed client investment needs, researched product offerings, and gave tailored recommendations in a mock video consultation.

SKILLS

Languages & Tools: Java, Python, C, SQL, HTML, CSS, JavaScript, React, Tailwind CSS, Framer Motion, Streamlit, LangChain, HuggingFace, LlamaIndex, Google Colab, GitHub, Netlify, Visual Studio (VS) Code, Pandas, NumPy, JUnit Testing.

Concepts: Natural Language Processing (NLP), Retrieval-Augmented Generation (RAG), Open-Source LLMs, Object-Oriented Programming (OOP), Algorithms, Technical Communication, Workflow Automation, Document Processing.