Sethuram Jeevanandham Kamalakannan

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SUMMARY

Second-year Computer Science student at Purdue University focused on building full-stack tools and scalable AI systems. Experienced in APIs, LLM-based apps, and technical communication. Seeking internships to apply full-stack development, machine learning, and AI tooling to real-world impact.

EDUCATION

Purdue University – BS in Computer Science   Aug 2024 – Present
- **Relevant Coursework:** Problem Solving & Object-Oriented Programming, Programming in C, Foundations of Computer Science, Statistics, Multivariate Calculus, Linear Algebra.

EXPERIENCE

Internship – EduVerse: AI Engineer   Aug 2025 – Oct 2025
- Enhanced AI project data quality across 15+ learning modules by identifying gaps in progression logic, restructuring coding tasks, and improving objective alignment to meet "build-to-learn" standards.
- Built and integrated an AI-driven project classifier into the platform's challenge submission pipeline, enabling automated ZIP-based, content categorization (EVALIA/DEBATO), and simulated scoring for recruiter workflows.

Internship – WebBits: Entry-Level Software Developer   Jun 2025 – Sept 2025
- Developed and deployed 8+ secure APIs with AWS Lambda, API Gateway, Cognito, and DynamoDB for authentication, onboarding, agreements, and secret key workflows with error handling and OpenAPI documentation.
- Developed Next.js/Tailwind apps with responsive admin and customer dashboards, and client portals for onboarding, agreements, and signature capture while ensuring design consistency.

Internship – Zayan Soft Tech: AI & Python Intern   May 2025 – Aug 2025
- Built a predictive model for customer behavior analysis with ~75% accuracy using Google Colab, applying machine learning techniques to real-world datasets.
- Developed a full-stack invoice desktop app using Electron with a custom GUI, automated PDF generation, and a Node.js/Express with a MongoDB backend for managing clients, payments, and invoices.

SKILLS

Languages: Java, Python, C, SQL, JavaScript, HTML, CSS.
Tools: React, Tailwind CSS, Framer Motion, Node.js, Express.js, MongoDB, DynamoDB (GSI), Google Colab, GitHub, Netlify, Visual Studio Code, Postman, JUnit Testing, Streamlit, LangChain, HuggingFace, LlamaIndex, Serverless Framework, AWS Lambda, API Gateway, Amazon Cognito, OpenAPI.
Concepts: Natural Language Processing (NLP), Retrieval-Augmented Generation (RAG), Large Language Models (LLMs), Open-Source AI, REST APIs, Full-Stack Development, Authentication & Authorization, Object-Oriented Programming (OOP), Algorithms, Document Processing, Workflow Automation, Technical Communication.

PROJECTS

AI Chatbot
- Building a document-aware chatbot tailored to Purdue's academic policies using PDF parsing, Cohere's LLMs, and context-aware responses.
- Enabling natural language queries over complex institutional documents.

Portfolio Website
- 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.

CERTIFICATIONS

Skillsoft – AWS Certified Machine Learning: AI/ML Services   Aug 2025
AT&T – Technology Academy   Jun 2025
Google Cloud – Cybersecurity Certificate   Apr 2025
Bloomberg Forage Job Simulations – Client Service & Engagement   Mar 2025