

Hari Narayan Srivatsan

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SUMMARY

AI/ML software engineer with 3+ YOE driving AI solution development for US government, academia, healthcare stakeholders

EDUCATION

MS in Management Information Systems | Texas A&M University | College Station, TX **Aug 2024 – May 2026**
BS in Computer Science and Engineering | SASTRA Deemed University | Thanjavur, India **Jul 2016 – May 2020**

EXPERIENCE

Software Engineer Intern | Alcon | Lake Forest, California **May 2025 – Aug 2025**

- Saved 10 hrs./week for 300 users architecting Product Security FAQ portal with **Python, React** and **RAG** on **AWS Bedrock**
- Deployed pilot version for UAT on 20 users, collaborated cross-functionally and gathered feedback for iterative rollouts
- Built **0-shot inference** workflow for medical image security with **CLIP Resnet50 (PyTorch)** model on **edge AI** coprocessors

Software Engineer Graduate Assistant | Texas A&M University | College Station, Texas **Sep 2024 – May 2025**

- Owned software development lifecycle of instructor onboarding portal at educational nonprofit helping 30M+ children
- Reduced operational costs by 80% in 3 weeks, migrating to AWS serverless architecture with **Lambda** and **API Gateway**
- Launched pilot to 250+ users for **A/B testing**, collecting usage data to assist research study on AI-driven teacher training
- Wrote automated **unit tests & integration tests** for all features enabling seamless handoff for future system maintenance

Software Engineer | Deloitte USI | Chennai, India **Jun 2021 – Jul 2024**

- Designed API using **FastAPI** for **LLM Guardrails** system orchestrating requests to input prompt & AI output scanner services
- Improved threat detection efficiency by 30% & replaced 3 redundant scanners with 1 through robust prompt engineering
- Configured **separation of duties & least privileged access** measures on clients' **Oracle Cloud ERP** environments migrating 82 business units from legacy accounting systems & enabled **SOX compliance** by documenting user role specifications
- Collaborated with functional teams **troubleshooting critical access defects** and ensured data security across business units

Software Engineer Intern | Hewlett Packard | Bengaluru, India **Jan 2020 – Jan 2021**

- Built IT support chatbot prototype with **Slack, Google Dialog Flow & ServiceNow** replacing legacy solution in 2 months
- Aided automation initiatives designing 20+ **UiPath** workflows for routine team tasks saving 100+ work hours monthly
- Mentored 3 teams during a company-wide hackathon, accelerating adoption of RPA best practices across global HP offices

PROJECTS

Competency Tracker | Software Engineer (Deployed at Plymouth State University) **Jan 2025 – May 2025**

- Built serverless web portal providing teachers with data-driven insights on student skills & progress via star-based scoring
- Designed & built infrastructure-as-code workflow using AWS CloudFormation templates with nested stack approach

Furniture Fun | Database Administrator **Aug 2024 – Dec 2024**

- Scripted SQL queries for ETL, stored procedures and triggers on **MariaDB** clusters on EC2, for furniture business
- Managed replication, clustering and performed schema migration to **MongoDB** for faster query responses and scalability

SKILLS

Programming: Python, TypeScript, Object Oriented Design, Data Structures, REST APIs, Debugging, Testing, Code Reviews

AI/Data: SQL, Pandas, NumPy, PyTorch, Regression, Classification, Retrieval Augmented Generation (RAG)

Product: Agile, Scrum, User Interviews, Persona Mapping, Lucid Chart, Wireframing, Prototyping, Sprint Planning, A/B Testing

Frameworks: FastAPI, React, LangChain, LangGraph, Streamlit, n8n, Google ADK, Model Context Protocol (MCP)

Cloud/DevOps: Git, Linux, CI/CD, Docker, Terraform, AWS (Lambda, EC2, CloudFormation, Cognito, CloudFront)

Certifications: AWS Solutions Architect Associate, Cloud Security Knowledge CCSK, OCI Generative AI Professional

LEADERSHIP AND VOLUNTEERING

President – Business Information Technology Students Club (BITS @ TAMU) **Aug 2024 – Present**

- Directed a cross-functional team of 8 students to execute club initiatives in hosting 3 high-profile guest speaker sessions
- Forged strategic partnership with local business, recruiting 3 volunteers & delivered full stack business website in 16 weeks
- Hosted 2 virtual coffee chats with Texas A&M Alumni connecting current graduate students with industry professionals