

# Hari Narayan Srivatsan

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Portfolio: [hari-narayan.com](https://hari-narayan.com)

## 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 R&D Product Security | Lake Forest, CA **May 2025 – Aug 2025**

- Architected QnA portal using **React** and **Python** backed by **RAG** pipeline on **Amazon Bedrock** serving 300+ internal users
- Partnered with engineers and deployed prototype for **UAT**, scaling to production with iterative rollouts based on feedback
- Presented end-to-end edge AI workflow leveraging Hailo AI accelerators to authenticate medical images, to leadership

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

- Owned software development lifecycle of instructor onboarding portal at educational non-profit serving 10000+ students
- Migrated to AWS serverless architecture with **Lambda**, **S3**, **API Gateway** etc. reducing operational costs by 80% in 3 weeks
- Launched pilot to 250+ users collecting usage data via **DynamoDB Streams** assisting research on AI-driven teacher training
- Wrote automated **unit tests and integration tests** for all system features enabling handoff for future system maintenance

**Software Engineer** | Deloitte USI (Cloud Security) | 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 security access controls for **Oracle Cloud ERP** supporting 80+ business units; implemented **SOX compliance** controls and documented user role specifications for audit and regulatory requirements
- 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 ([github.com/harinarayansrivatsan](https://github.com/harinarayansrivatsan))

**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

**POS Migration** | Database Administrator **Aug 2024 – Dec 2024**

- Scripted SQL queries to perform data cleaning and ETL processes on MariaDB hosted on EC2 servers, for a local 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

**Product:** Agile, Scrum, User Interviews, Persona Mapping, Lucid Chart, Wireframing, Prototyping, Sprint Planning

**Data:** SQL, non-relational databases (MongoDB, Pinecone, DynamoDB), PyTorch, Ranking, Embedding, Information Retrieval

**Frameworks:** FastAPI, React, LangChain, LangGraph, Streamlit, n8n

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

**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**

- Revived organization in 3 weeks by establishing vision, scope, goals and organization code of conduct for future leaders
- 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

**Volunteer – Aggie Achieve (TAMU)** **Jan 2025 – May 2025**

- Conducted in-person training workshops on AI tools for students with disabilities resulting in 50% increase in participation
- Assisted students with course registration and offered preparation advice for industry certifications in cybersecurity