Sriram Anasuri

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Skills

- Python | C# | .NET | Java | JavaScript | TypeScript | MSSQL | Node | Express | React | Vue | Redux | jQuery | NoSQL | Git
- Azure | Cloud Computing | CI/CD | XUnit | Jest | Cucumber | Unit Testing | Lambda | OOP | AWS | GCP | Cybersecurity Architecture
- Microservices | Frontend | Backend | Full-Stack | Data Security | SAAS | IAC | Servicenow | Scala | Kubernetes | Docker

Experience

Software Consultant — Edgile — *San Francisco, CA, USA* — **07/2022 - Current**

- Orchestrated a seamless migration of over 40K+ Windows devices from Workspace1 to Intune in collaboration with Microsoft Fast Track Team for a Fortune 100 company. Reimaged laptops through MDM policies and powershell scripts using **Azure, C#, .NET, Cosmos DB**
- Implemented e2e policy authoring and redlining in **ServiceNow** connecting **MS Graph** APIs with .Net to servicenow to decrease time spent for checking security NIST standards.
- Containerized **IdentityIQ Sailpoint** Application by deploying a **Docker** image on **AWS EKS** reducing testing environment management time from 1 hr to 3 mins.
- Created a platform using **Python** and **Flask** to automate entitlement cleanup in **IAM** systems and prevent decay of user access in corporate directory systems improving security posture by 37%.
- Developing a **Gen-AI LLM RAG** model that processes over 16,000 corporate files and determines whether a given document is useful For the organization by looking at Azure DLP policies and sensitive information types with **Python, JavaScript, HuggingFace**

Data Science Intern — Helmer Scientific — *Lafayette,IN, USA* — **01/2022 - 05/2022**

- Leveraged PowerBI/Tableau to analyze Helmer Scientific's data, identifying seasonal trends and high-selling products, while pinpointing underutilized locations, resulting in $3 million in revenue savings.
- Deployed ETL pipelines that automate ingestion of inventory/cost transaction data to gathering ecommerce analytics with **Azure Databricks, Scala, Spark, Kafka**
- Implemented Time Series Models (ARIMA/SARIMA) to predict and model future sales forecasting.

Computer Vision Researcher — Purdue X Meta — *Lafayette, IN, USA* — **05/2021 - 12/2021**

- Implemented PyTorch model quantization on YOLOv5 and DeepSORT models for Purdue's drone-mounted camera object recognition solution, cutting training time by 45% for Meta's Low Power Computer Vision Challenge.
- Converted Python scripts to Cython improving runtime of large dimension matrix functions of Convolutional Neural Networks from 1 hour to 5 minutes.
- Created the Object detection **Rest API** architecture utilizing **Python Flask,** enabling efficient upload of 100kb images at 100mbps on a Raspberry PI device.

Computer Vision Researcher — Purdue X Google — *Lafayette, IN, USA* — **01/2021 - 05/2021**

- Collaborated with Google's TensorFlow Model Garden Team on experiments to build low power computer vision models (YoloX-Tiny, YoloX-Nano, MobileNetV3).
- Led Optimization of CPU Multithreading Processes leading to reducing number of CPU Compute Nodes & improving energy consumption by 38% with better pipelining, tucker decomposition, and input size reduction.
- Trained YoloV3 Model in tensorflow and began implementation of YoloV4.

Software Researcher — Purdue VIP — *Lafayette, IN, USA* — **08/2020 - 01/2021**

- Contributed to creating a prototype for a memoized backtracking regex engine and developing benchmark standards for large-scale evaluation of real-world regexes.
- Conducted Regular Expression Denial of Service Analysis and improved API and HTML Security Posture for various active web services improving client side sanitization time by 15% and compression of regex results from avg. 2,83 MB to 1.02 MB.
- Collaborated in developing an interactive web-application with **Node.js,Express.js,TypeScript.js** with **MongoDB** Database connected to an AWS Lightsail instance to visualize the safety of a Regex.

Education

Bachelor of Science in CS — Purdue University — *Lafayette, IN, USA* — **08/2019 - 05/2022**

- Major in Data Science | Dean's List and Semester Honors | Wells Fargo Scholar Recipient | 3.67 GPA

Masters of Science in CS — Georgia Institute of Technology — *Atlanta, GA, USA* — **08/2024 - 05/2026**