Aryam Shinde

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Education

Bachelors in Computer Science　　　　　　　　　　　　　　　　　　　August 2021 - May 2025
Arizona State University　　　　　　　　　　　　　　　　　　　　　　　　　　*Tempe, Arizona*

Experience

Software Engineer Intern　　　　　　　　　　　　　　　　　　　　　June 2024 – August 2024
Winwire

- Engineered and maintained ETL pipelines using Python and AWS Lambda to automate data extraction, transformation, and loading processes, improving data flow efficiency by 20%.
- Designed and implemented interactive dashboards in Microsoft PowerBI, enabling real-time visualization of key performance indicators (KPIs) which led to a 25% increase in data-driven decision-making speed and improved alignment between business teams and leadership.
- Implemented automated report summarization using GPT-based models, reducing manual report review time by 40% and enabling stakeholders to quickly grasp key insights from dashboards and reports.
- Collaborated with cross-functional teams in a Scrum framework, participating in daily stand-ups, sprint planning, and retrospectives to deliver features on time, improve communication across teams, and ensure smooth handoffs between development and QA.

Software Engineer Intern　　　　　　　　　　　　　　　　　　　　　　May 2023 – August 2023
Cron AI

- Developed and optimized deep learning pipelines for point cloud data, improving real-time inference performance on NVIDIA Jetson-based edge devices.
- Contributed to object detection and tracking algorithms for smart city surveillance, meeting sub-10ms latency targets on the senseEDGE platform.
- Conducted LiDAR data preprocessing and annotation, supporting model training and validation for traffic and crowd monitoring scenarios.
- Participated in edge deployment testing and performance benchmarking, helping deliver scalable AI solutions across deployments in the UK, Saudi Arabia, and the U.S.

Projects

Cryptocurrency Sentiment Analyzer

- Designed and built a news sentiment application to assist with cryptocurrency investing.
- Scraped Reddit, 4Chan, and Yahoo Finance using Python's Scrapy library.
- Stored scraped content in a Postgres backend to extract and parse relevant cryptocurrency keywords.
- Kept an up-to-date list of the most positive and negative currencies to inform users on buying and selling decisions, using Google's natural language tool AutoML to analyze sentiment for the top 100 currencies on coinmarketcap.com.

Gen AI - DigiCLips Live Chat

- Designed and deployed an AI-powered chatbot for DigiClips, leveraging OpenAI GPT-4 + vector search over 50K+ indexed media clips to deliver real-time, context-aware answers in ¡ 300 ms; feature launch lifted search-to-click conversions by 45% and boosted weekly active users by 60%
- Implemented real-time customer-support chat with Socket.IO and Supabase, creating room-scoped messaging, persistent transcripts, and CI-CD deployment via GitHub Actions; feature launch cut average issue-resolution time by 60% and boosted user session length by 4 minutes.

Technical Skills

- **Languages:** Java, Python, Scala, TypeScript, Perl
- **Frameworks/Libraries:** AngularJS, Angular2, Flask, JUnit, WordPress, Spark, Airflow
- **Other:** Kubernetes, Docker, TravisCI, VS Code, Redis, Cloudflare, AWS, GCP