


PRAJWAL V. ATHREYA

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Available for full-time opportunities from May 2025

An MS in AI graduate student with 3 years of industry experience in software engineering and artificial intelligence. Proficient in Python, Go, C++, and Java, seeking full-time opportunities for SDE roles.



EDUCATION

Northeastern University, Boston, MA Master of Science in Artificial Intelligence Relevant coursework: Foundations of Artificial Intelligence, Programming Design Paradigm Natural Language Processing, Algorithms, Cloud Computing, Web Development	2023 - May 2025 GPA: 3.9
Dayanandasagar College Of Engineering, Bangalore, KA Bachelor of Engineering in Automobile Engineering Relevant coursework: Data Structures in C, Programming in C	2017 - 2021 GPA: 3.7

EXPERIENCE

Software Engineer (Co-op) - Akamai, Cambridge, MA Cluster API <ul style="list-style-type: none">Added E2E tests using Chainsaw for CAPL (Cluster API Provider Linode) clusters.Setup CI-CD pipelines for the new tests on GitHub ActionsImplemented Linode Cloud Firewall and Placement groups as a default resource for clusters. CSI Driver (Container Storage Interface) <ul style="list-style-type: none">Optimized GOMAXPROCS to dynamically scale resource utilization for improved performance during CSI driver operations.Added support for Block Storage Encryption of volumes.Integrated Prometheus for metrics collection and Grafana for enhanced visualization and monitoring.Implemented OpenTelemetry to enable tracing of gRPC function calls and improve observability.	July 2024 - December 2024
Software Engineer - UpUgo & Surgg Pvt Ltd, Bangalore, KA Workout Recommendation System <ul style="list-style-type: none">Containerized this service using Docker. Utilized Amazon Elastic Kubernetes Service(EKS) for container orchestration and load balancing.Implemented in-memory caching and CDN-based caching for APIs resulting in improved retrieval speeds of approximately 30%.Setup AWS Lambda to fetch data through APIs and start the retraining loop of the recommendation model.	November 2021 - July 2023

PROJECTS AND CLUBS

Adversarial Attacks on Large Language Models  <i>Related Topics: Positional Encoding, Transformers, GPT2, Model Fine-tuning, Generative Model</i> <ul style="list-style-type: none">Fine-tuned GPT2 to generate adversarial inputs with the aim of causing misclassification, achieving a success rate of approximately 60%.Deployed this generative model with FastAPI as the backend framework to convert the inference module into an API, allowing it to be called upon text for testing adversarial examples.	March 2024
Image Processing Application  <i>Related Topics: MVC Architecture, Multi-Threading, Multi-Processing, Object-Oriented Programming</i> <ul style="list-style-type: none">Built a full-scale image processing application employing MVC architecture in Java.Following said architecture and minor optimizations during pre-processing, processing times were reduced by approximately 70ms, improving the performance by almost 40%.	October 2023

SKILLS

Programming Languages	Bash, C++, Java, Node.js, Python, Go
Database	MongoDB, MySQL
DevOps	Docker, EC2, EKS, Elastic Beanstalk, Git, Lambda, S3, Chainsaw
Operating Systems	Linux, Windows