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EXPERIENCE

- Montai Therapeutics** **Boston, MA**
Senior Machine Learning Engineer *July 2023 – present*
 - Machine Learning:** Built batch prediction pipelines processing 1B+ rows across TensorFlow models in under 3 hours, accelerating drug candidate evaluation and enabling faster experimental iteration.
 - Infrastructure:** Owned end-to-end ML infrastructure: deployed auto-scaling Kubernetes clusters with Ray and Flyte, added observability (Prometheus, Grafana, alerting), and reduced cloud costs by \$50k+ through resource optimization.
 - DevOps:** Architected multi-GPU build system reducing model deployment time by 50%, saving 10 hours weekly through automated tuning and CI/CD.
 - Platform:** Developed internal applications enabling cross-functional teams to run models on-demand with experiment tracking and model versioning, supported by documentation and training; reduced time-to-insight from days to minutes.
- Autodesk** **San Francisco, CA**
Machine Learning Engineer Intern *May 2022 – July 2022*
 - Model Serving:** Deployed a high-throughput transformer on a real-time event pipeline, analyzing 1M+ daily user interactions for next-click prediction.
- Pixxel** **Bengaluru, India**
Machine Learning Engineer *June 2020 – May 2021*
 - Infrastructure:** Built multi-regional ML infrastructure for geo-spatial analytics, improving inference efficiency by 75% and reducing map rendering latency by 50%.
 - Machine Learning:** Built ETL and ML pipelines processing 1TB+ daily, reducing pipeline failures from data schema issues by 30%.
 - Software Engineering:** Architected a GPU queue system with automatic A/B testing for regional model selection, saving \$50,000 annually in cloud costs.
- Initiable Intelligence** **Bengaluru, India**
Machine Learning Engineer *May 2019 – May 2020*
 - Machine Learning:** Led a team of 4 to build an NLP-powered chatbot API, enabling 5-minute integration for static sites and adopted by multiple startups.
- DCT Academy** **Bengaluru, India**
Software Engineer *Jan. 2017 – May 2019*
 - Machine Learning:** Built a task recommendation engine with automated assignment matching, improving student engagement by 60%.
 - Software Engineering:** Built a classroom-management tool with auto-grading and student clustering, saving 2 hours daily for teaching staff.

EDUCATION

- Northeastern University** **Boston, MA**
Master of Science in Artificial Intelligence *Sep. 2021 – May 2023*
- PES University** **Bengaluru, India**
Bachelor of Science in Computer Science *June. 2013 – Nov. 2016*

SKILLS

- Expertise:** Kubernetes, Ray (Data, Serve), TensorFlow, PyTorch, Terraform, Airflow, Flyte, Prometheus, Grafana, ArgoCD
- Proficient:** Python, SQL, pandas, scikit-learn, Docker, FastAPI, MLflow, Weights & Biases, GitHub Actions, Redis, DuckDB, Postgres
- Familiar:** Django, AWS SageMaker, Google AI Studio, Milvus, LangChain, HuggingFace
- Cloud:** AWS, GCP, Azure (multi-regional, high-availability, infra-as-code)