[Full Name]

[City, Country] | [email@example.com] | [+1 (555) 555-5555] | [LinkedIn URL] | [GitHub / Personal Website]

PROFESSIONAL SUMMARY

AI Researcher with [X+] years of experience designing, implementing, and evaluating **machine learning** and **deep learning** models for [domain, e.g., computer vision / NLP / reinforcement learning]. Proven track record of publishing in [top-tier venues / conferences] and translating theoretical insights into production-ready systems. Skilled in **Python, PyTorch, TensorFlow**, and modern ML tooling, with strong foundations in statistics, optimization, and algorithm design. Adept at cross-functional collaboration, communicating complex ideas clearly, and driving research that balances scientific rigor with real-world impact.

EXPERIENCE

[Senior AI Researcher] | **[Leading Tech Company / Research Lab]**
[Month YYYY] – Present
[City, Country]

- Led end-to-end research on [specific problem, e.g., large-scale language modeling / multimodal learning], designing novel architectures in [PyTorch / TensorFlow] that improved [metric, e.g., F1 / BLEU / accuracy] by [X%] over the existing baseline on [benchmark / internal dataset].
- Developed and deployed production-grade ML pipelines using [frameworks/tools, e.g., PyTorch Lightning, Hugging Face, MLflow, Kubernetes] to support continuous training, model versioning, and A/B testing across [N+] experiments per month.
- Authored and co-authored [N] peer-reviewed publications in [top conferences/journals, e.g., NeurIPS, ICML, ICLR] and presented findings to both technical and non-technical stakeholders, influencing the company's [product roadmap / research agenda].

[AI Research Scientist] | **[Startup / Academic Research Center]**
[Month YYYY] – [Month YYYY]
[City, Country]

- Designed and implemented deep neural networks for [task, e.g., time-series forecasting / anomaly detection / image classification] using [Python, NumPy, PyTorch, TensorFlow], achieving a [X%] reduction in error rate and enabling [business outcome, e.g., cost savings / risk reduction].
- Built scalable data preprocessing and feature engineering pipelines with [Pandas, Apache Spark, SQL] to handle [N+] million records, ensuring reproducibility and robust evaluation through cross-validation and rigorous ablation studies.
- Collaborated with cross-functional teams (e.g., data engineering, product management, domain experts) to define research objectives, curate datasets, and integrate models into [APIs / microservices] with [Docker, REST, gRPC] for downstream applications.

EDUCATION

[Ph.D. in Computer Science / Machine Learning] | **[University Name]**
[Month YYYY] – [Month YYYY]
[City, Country]

- Dissertation: "[Thesis Title Related to AI/ML]," focusing on [area, e.g., probabilistic modeling, deep reinforcement learning, generative models].
- Relevant coursework: [Advanced Machine Learning], [Deep Learning], [Probabilistic Graphical Models], [Optimization], [Statistics].
- Served as [Teaching Assistant / Research Assistant] for courses in [Machine Learning / AI], mentoring [N+] students on projects and experiments.

[B.Sc./M.Sc. in Computer Science / Applied Mathematics] | **[University Name]**

[Month YYYY] – [Month YYYY]
[City, Country]

- Graduated with [Honors / GPA: X.XX/4.00], emphasizing algorithms, data structures, and statistical modeling.
- Capstone project: "[Project Title]," implementing [ML technique] to solve [problem] using [Python, scikit-learn, etc.].

SKILLS

Technical: Python, PyTorch, TensorFlow, JAX, scikit-learn, NumPy, Pandas, SQL, [Apache Spark], [Hugging Face Transformers], Git, Linux.

Machine Learning & AI: Supervised & unsupervised learning, deep learning, representation learning, NLP / computer vision / RL, model evaluation, experiment design, hyperparameter optimization.

Data & MLOps: Data preprocessing, feature engineering, ML pipelines, model deployment, Docker, [Kubernetes], [MLflow / Weights & Biases], experiment tracking, reproducible research.

Research: Literature review, hypothesis formulation, theoretical analysis, empirical benchmarking, paper writing, peer review, conference presentations.

Soft Skills: Analytical thinking, problem solving, scientific rigor, clear communication, cross-functional collaboration, mentoring, time management.

PROJECTS

[Project Title – e.g., Foundation Model for Domain-Specific Text] | **[Individual / Team Project]**
[Month YYYY] – [Month YYYY]

- Pretrained a [transformer-based language model] on [N+] domain-specific documents using [Hugging Face Transformers, PyTorch, DeepSpeed], achieving [X%] improvement in downstream task performance (e.g., classification, QA) compared to generic baselines.
- Implemented efficient training strategies (mixed-precision, gradient checkpointing, distributed data parallel) on [GPU cluster / cloud platform] to reduce training time by [X%].

[Project Title – e.g., Robust Computer Vision Pipeline] | **[Open-Source / Research Prototype]**
[Month YYYY] – [Month YYYY]

- Built an end-to-end image classification and detection system using [ResNet / EfficientNet / YOLO] with extensive data augmentation and regularization, improving robustness to real-world noise and distribution shifts.
- Released code and pretrained models on [GitHub], including comprehensive documentation and reproducible experiment scripts, resulting in [N+] stars and adoption by [researchers / practitioners] in the community.