ABHILASH SRIVASTAVA

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EXPERIENCE

Apollo.io — Remote
Senior ML Engineer — *Aug 2023 - Present*

- Built the first Natural Language Search Agent for Apollo. This empowers users to type in search queries in plain english text, retrieve the prospecting filters and runs on AI Research Agent. The most requested feature for the Apollo AI Assistant. Led to S-curve growth (over 200%) of the AI users on the Apollo Platform.
- Led the ML development and launch of Ask Apollo and Apollo Pre-meeting Insights, utilizing the latest GenAI techniques (Gemini and OpenAI GPT models) to build a first-in-class Sales Copilot.
- Drove the successful launch of three advanced AutoScoring features (Keywords, Technologies, Job Titles) in Q1 '24, fueling a 128% surge in Weekly Active Users and a 33% uplift in search engagement across 12,000+ teams.
- Enhanced Call Summary insights through targeted model improvements, achieving a 22% increase in precision and 14% in recall, and spearheaded CI innovations like follow-up emails and "Ask Anything V1", showcasing technical depth and customer impact.

Meta — Bellevue, WA
Senior ML Engineer — *Apr 2022 - May 2023*

- Developed and deployed advanced ML/DL models with continuous learning to detect fraud, cloaking, and malicious ads, blocking 50k+ malicious accounts daily and saving Facebook $70M monthly.
- Enhanced ML model transparency and governance using multi-class/multi-label classifiers for 100+ policy violations, reducing false-discovery rates via large-scale user-engagement analysis.
- Built and optimized GB-scale Hive data pipelines for training data and human labeling, collaborating with infrastructure teams to accelerate model training and boost developer efficiency.
- Mentored new hires, led candidate interviews, supported user privacy, participated in cross-functional initiatives, on-call rotations, and roadmap planning.

Microsoft — Redmond, WA
Software Engineer — *May 2019 - Mar 2022*

- Enhanced Enterprise Search with query understanding and ranker models, multilingual ML pipeline (data, modeling, deployment, feedback) serving 13k+ organizations across 20M+ monthly queries in 15+ languages.
- Developed multilingual and query language identification models (BERT/XLM-R, student-teacher distillation), differentiating over 100 languages and powering Bing and Office products internationally.
- Scaled a unified language model for global domain classification, intent detection, and slot tagging, expanding support across multiple GEOs through Universal Encoder/Unicode fine-tuning.
- Mentored 2 Ph.D. interns (Information Retrieval/NLP) and contributed as a reviewer for MLADS and as a Microsoft AI for Accessibility (AI4A) grants committee member.

TECH SKILLS

- **Languages:** Python, JAVA, JavaScript, C#, SQL
- **ML/DL Tech:** LLMs, RAG, Pytorch, Keras, TensorFlow, PySpark
- **Data Engineering Tech:** GCP, VertexAI, Azure, AzureML, Databricks, Snowflake, Hadoop, Airflow, Amplitude
- **Other:** Analytics, Humanloop, Dashboards, Metrics, Legal/Regulatory Guidelines

EDUCATION

University of California, San Diego — San Diego, CA
M.S. in Computer Science (Artificial Intelligence) — *Sep 2017 – Mar 2019*

Birla Institute of Technology and Science, Pilani — Pilani, India
B.E. in Computer Science — *Aug 2010 – Jun 2014*

PATENTS

- **Method and system of sharing vehicle health information among vehicles (US20180218609A1):** Identifying the suitability of driving a vehicle in a specific region using and sharing vehicular data in vicinity.
- **Methods and systems for rendering user intent across electronic devices (US20180219988A1):** Intent prediction based on user action history, current application context and trigger from smart input device.