Rishab Mallick
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Experience

- **metaintro** | *AI Product Engineer* Apr 2024 – Present
  - **Job Matching Engine**: Built the job-matching engine for Metaintro's 1.8M-user platform, ranking jobs against resumes, goals, and user constraints.
  - **Chat Engine**: Built the conversational AI backend that preserves thread context, maps user goals to job searches, and streams job cards and resume artifacts.
  - **Quality and Evals**: Built the quality system for chat and matching: production conversation audits, retrieval checks against production job data, model A/B comparisons, cost and latency tracking, dashboards, and failure attribution, turning live issues into repeatable eval cases.
- **Unify (YC W23)** | *Machine Learning Engineer* May 2023 – Apr 2024
  - **AI Bench and Model Hub**: Designed LLM benchmarking methodology and CI/CD runtime benchmarks on GCP; built LLM provider routing for Perplexity, Replicate, OpenAI, Anyscale, Vertex AI, and others.
  - **Open Source Systems**: Integrated Ivy into BentoML, Seldon-Core, Seldon-MLServer, and MMPretrain; added functions and reviewed PRs across cross-framework transpilation code.
  - **Transpiler and Demos**: Refactored torch.fx-compatible source generation, researched TPU support and cross-framework profiling, and led public demos for XGBoost and MMPretrain.
- **Small Joys** | *Founding AI Engineer* Nov 2021 – Aug 2023
  - **NLP and Health AI**: Built bias-robust sentiment models and AWS inference APIs; piloted behavioral-health prediction from therapy-session data.
  - **Therapist Insights**: Built journal abstraction and theme-extraction workflows that turned user journals into therapist-facing clinical context.
  - **Clinical Data Systems**: Built ScreenerOMR for scanned medical screeners plus labeling and GPT-3 augmentation workflows for sentiment, emotion, adverse childhood experiences, and ICD-10 data.
- **Google Summer of Code** | *Student Software Developer* Jun 2021 – Aug 2021
  - **Biomedical NLP**: Built a BERT/regex/dictionary extraction framework for WormBase C. elegans papers, cutting manual biocuration from hours to minutes and recovering variant data missed in manual curation.
- **Selected Early AI & Data Internships** Aug 2020 – Jun 2021
  - **CDAC and Myraa Technologies**: Built masked-face recognition, wearable object detection, e-proctoring, and CAD comparison prototypes for low-resource devices and institutional workflows.
  - **Tata Steel**: Used mapping APIs to reconcile dealer geography data and correct location discrepancies.

Awards

- **Dr. APJ Abdul Kalam IGNITE Award** | *National Innovation Foundation - India* November 2015
  - Received IGNITE 2015 from former President Pranab Mukherjee for "Pay as you weigh," one of 31 innovations selected from 28,106 submissions across India. Indian Patent No. 531470, granted 2024.
- **Regional Winner of ZooHackathon** | *WWF* November 2019
  - Won the regional WWF ZooHackathon for an anti-wildlife-trafficking solution among 12 finalist teams.

Publication

- **Accelerated variant curation from scientific literature using biomedical text mining**, microPublication Biology, 2022. Google Summer of Code/WormBase work combining BERT NER, regexes, and dictionaries; reported 82.59% precision for gene-mutation matches on 100 papers.

Education

St. Thomas' College of Engineering and Technology India
Bachelor of Technology in Computer Science & Engineering, GPA: 8.84/10 2018 – 2022
Relevant electives: Artificial Intelligence, Machine Learning, Pattern Recognition, Image Processing, Soft Computing, Operations Research, Numerical Methods.