

## States

# AI-to-IT JOBS INTENSITY

### % AI Jobs/IT Jobs for Jan-Dec 2023

Rank	State	Value
1	MA	17.06%
2	CA	16.71%
3	NY	16.04%
4	WA	15.89%
5	DC	10.91%
6	VA	10.82%
7	CT	10.79%
8	DE	10.10%
9	NJ	10.02%
10	PA	9.95%
11	IL	9.94%
12	AR	9.67%
13	MN	8.92%
14	TX	8.91%
15	GA	8.51%
16	RI	8.46%
17	UT	7.99%
18	NC	7.95%
19	OR	7.85%
20	MD	7.47%
21	IN	7.44%
22	OH	7.36%
23	AZ	7.05%
24	NV	6.99%
25	HI	6.98%
26	MI	6.96%

Rank	State	Value
27	CO	6.96%
28	FL	6.84%
29	ID	6.83%
30	TN	6.26%
31	MO	6.21%
32	LA	5.80%
33	ME	5.33%
34	AL	5.24%
35	WI	5.17%
36	VT	5.14%
37	NM	5.11%
38	SC	5.10%
39	KY	4.96%
40	OK	4.95%
41	NE	4.90%
42	NH	4.68%
43	IA	4.57%
44	WV	4.49%
45	KS	4.48%
46	MS	4.46%
47	SD	4.40%
48	MT	3.49%
49	ND	3.28%
50	WY	2.68%
51	AK	2.32%

**U.S. Total, AI-to-IT Jobs Intensity = 9.91%**

#### Methodology

The term "AI Job" refers to a job posting that requires AI skills. We use a fine-tuned large language model (LLM), powered by cutting-edge AI technologies, to differentiate jobs requiring AI skills from others. When compared against manual checks by multiple AI researchers, this LLM approach has an accuracy above 90%. In contrast, a keywords-dictionary based approach has a < 50% accuracy-level when compared against manual checks. We exclude jobs that would be based outside the U.S.

#### Team

\*Dr. Anil Gupta, Professor: [agupta@umd.edu](mailto:agupta@umd.edu)  
 \*Jon Norberg, CSO: [jon.norberg@linkup.com](mailto:jon.norberg@linkup.com)  
 Dr. Evan Schnidman, CEO: [evan@outrigger.com](mailto:evan@outrigger.com)  
 \*Project Co-Leads

Dr. Siva Viswanathan, Professor: [sviswan1@umd.edu](mailto:sviswan1@umd.edu)  
 Dr. Kunpeng Zhang, Professor: [kpzhang@umd.edu](mailto:kpzhang@umd.edu)  
 Hanwen Shi, PhD Student: [hwshi@umd.edu](mailto:hwshi@umd.edu)