

Top 50 Counties BY AI JOBS CREATION

Monthly Average of AI Job Postings During Jan-Dec 2023

Rank	County Name	State	Value
1	New York	NY	582
2	Santa Clara	CA	573
3	King	WA	467
4	San Francisco	CA	393
5	Cook	IL	281
6	Fulton	GA	273
7	Los Angeles	CA	242
8	Dallas	TX	240
9	Caldwell	TX	226
10	Fairfax	VA	196
11	Middlesex	MA	186
12	Arlington	VA	176
13	San Diego	CA	171
14	DC	DC	170
15	Harris	TX	147
16	Maricopa	AZ	131
17	Mecklenburg	NC	127
18	Hennepin	MN	113
19	San Mateo	CA	111
20	Allegheny	PA	101
21	Denver	CO	92
22	Philadelphia	PA	88
23	Collin	TX	86
24	Hillsborough	FL	78
25	Alameda	CA	70

Rank	County Name	State	Value
26	Wayne	MI	69
27	Wake	NC	69
28	Hudson	NJ	63
29	Hartford	CT	63
30	Orange	CA	62
31	Franklin	OH	61
32	Anne Arundel	MD	58
33	Montgomery	PA	57
34	Davidson	TN	56
35	Miami-Dade	FL	54
36	St. Louis	MO	54
37	Durham	NC	53
38	Chesterfield	VA	52
39	Salt Lake	UT	51
40	Montgomery	MD	51
41	Marion	IN	50
42	Bexar	TX	49
43	Hamilton	OH	48
44	Newport News	VA	47
45	Cuyahoga	OH	47
46	Mercer	NJ	44
47	Morris	NJ	42
48	Baltimore	MD	41
49	Multnomah	OR	41
50	Benton	AR	40

These 50 counties account for 64.8% of all AI job postings in CY 2023 across the total of 3143 counties in the 50 U.S. states and the District of Columbia

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
*Jon Norberg, CSO: jon.norberg@linkup.com
Dr. Evan Schnidman, CEO: evan@outrigger.com
***Project Co-Leads**

Dr. Siva Viswanathan, Professor: sviswan1@umd.edu
Dr. Kunpeng Zhang, Professor: kpzhang@umd.edu
Hanwen Shi, PhD Student: hwshi@umd.edu