**BarChartToDisplayJobAPI:**

sampleData=[{"jobType":"frontendEngineering","count":100},{"jobType":"DatabaseEngineering","count":50},{"jobType":"SelfDriving","count":20},{"jobType":"frontendEngineering","count":100}]

**USStatesMapToDisplayOpengingPositionNumberAPI:**

sampleData=

[{“state”:"HI",“PositionOpening#”:10},[{“state”:"AK",“PositionOpening#”:10},{“state”:"FL",“PositionOpening#”:10},{“state”:"SC",“PositionOpening#”:10},{“state”:"GA",“PositionOpening#”:10},{“state”:"AL",“PositionOpening#”:10},{“state”:"NC",“PositionOpening#”:10},{“state”:"TN",“PositionOpening#”:10},{“state”:"RI",“PositionOpening#”:10},{“state”:"CT",“PositionOpening#”:10},{“state”:"MA",“PositionOpening#”:10},{“state”:"ME",“PositionOpening#”:10},{“state”:"NH",“PositionOpening#”:10},{“state”:"VT",“PositionOpening#”:10},{“state”:"NY",“PositionOpening#”:10},{“state”:"NJ",“PositionOpening#”:10},{“state”:"PA",“PositionOpening#”:10},{“state”:"DE",“PositionOpening#”:10},{“state”:"MD",“PositionOpening#”:10},{“state”:"WV",“PositionOpening#”:10},{“state”:"KY",“PositionOpening#”:10},{“state”:"OH",“PositionOpening#”:10},{“state”:"MI",“PositionOpening#”:10},{“state”:"WY",PositionOpening#”:10},{“state”:"MT",“PositionOpening#”:10},{“state”:"ID",“PositionOpening#”:10},{“state”:"WA",“PositionOpening#”:10},{“state”:"DC",“PositionOpening#”:10},{“state”:"TX",“PositionOpening#”:10},{“state”:"CA",“PositionOpening#”:10},{“state”:"AZ",“PositionOpening#”:10},{“state”:"NV",“PositionOpening#”:10},{“state”:"UT",“PositionOpening#”:10},{“state”:"CO",“PositionOpening#”:10},{“state”:"NM",“PositionOpening#”:10},{“state”:"OR",“PositionOpening#”:10},{“state”:"ND",“PositionOpening#”:10},{“state”:"SD",“PositionOpening#”:10},{“state”:"NE",“PositionOpening#”:10},{“state”:"IA",“PositionOpening#”:10},{“state”:"MS",“PositionOpening#”:10},{“state”:"IN",“PositionOpening#”:10},{“state”:"IL",“PositionOpening#”:10},{“state”:"MN",“PositionOpening#”:10},{“state”:"WI",“PositionOpening#”:10},{“state”:"MO",“PositionOpening#”:10},{“state”:"AR",“PositionOpening#”:10},{“state”:"OK",“PositionOpening#”:10},{“state”:"KS",“PositionOpening#”:10},{“state”:"LS",“PositionOpening#”:10},{“state”:"VA",“PositionOpening#”:10}]

**WordCloudAPI:**

[{“skills”:"machine Learning",“RelatedJobs”:10}, {“ skills”:"Java",“ RelatedJobs ”:10}, {“skill”:"python",“ RelatedJobs”:10}, {“skill”:"c++",“ RelatedJobs”:10}, {“skill”:"computer vision",“ RelatedJobs”:10}]

**PieChartAPI:**

[{“qualification”: "bachelor degree",“RelatedJobs”:10}, {“ qualification”: "master degree",“ RelatedJobs ”:10}, {“ qualification”:"Ph.D.",“ RelatedJobs”:10}, {“ qualification”:"2 year experience ",“ RelatedJobs”:10}, {“ qualification”: “5 year experience”,“ RelatedJobs”:10}]