**Prompt for Technical Presentation**

Team 17

School for Professional Studies

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**Krishna Chaitanya Reddy Kallam**

**Slide 1: Introduction**

Hello everyone! We’re Team 17, and today we’re excited to present our Power BI application: *Cloud Career Insights Dashboard* – a tool designed to empower smarter decisions in the fast-evolving world of cloud computing careers.

**Slide 2: Why This Project**

With the rapid rise in demand for cloud professionals, our dashboard addresses a key gap in market intelligence by helping job seekers, recruiters, and educators make informed decisions around hiring trends, salaries, skill demands, and industry shifts.

**Sai Kandi**

**Slide 3: Intended User**

Our primary users are HR managers and cloud job seekers. We imagine an HR manager reporting to a Director of Talent Acquisition in a tech company, and job seekers being individuals with moderate technical knowledge exploring cloud roles.

**Slide 4: Decision-Making Needs**

From our research, we identified 3 decision areas they care about:

1. Hiring & talent planning
2. Skill gap assessments
3. Salary benchmarking

While building, we struggled with salary structure inconsistencies and ungrouped skill data. Courses like *Applied Analytics* and *Visualization, Feedback & Dissemination* helped us navigate data structuring and dashboard clarity.

**Josh Rajesh Reddy Katakam**

**Slide 5: Data Validation & Preparation**

We sourced and validated data from 6 key tables like jobs.csv, salaries.csv, skills.csv, job\_skills.csv, and company-related tables.

We applied transformations such as:

* Converting Unix timestamps
* Normalizing salary (hourly → annual)
* Merging state/city/country into one location field
* Mapping skills to categories: technical, soft, business

Using Power Query and Excel merge logic, we ensured accuracy across datasets—especially for calculated columns like annualized\_salary, salary\_bucket, and num\_skills\_required.

**Slide 6: UI Design**

Our UI was designed with a soft, readable theme and consistent layout across all pages to ensure visual harmony. Sidebar navigation and interactive slicers allow users to filter data by job title, pay period, or company size effortlessly. The design prioritizes accessibility and personalized exploration for both recruiters and job seekers.

**Jasmithi Karri**

**Slides 7: Homepage**

The Home Page serves as the starting point. It features a compelling headline—“Make a Career in Cloud Computing”—and a welcoming visual that introduces the purpose of our dashboard. A sidebar with clean icons gives users quick access to all core sections: *Hiring Trends*, *Salary Insights*, *Skill Analysis*, and *Company & Industry Analysis*.

**Slide 8: Hiring Trends**

Moving to the Hiring Trends & Demand page—this is where users can explore *where* cloud jobs are growing and *what roles* are trending. We present KPIs like the number of companies hiring (24K+), number of job locations (180), and cloud job listings. The bar chart shows the top job titles like Cloud Engineer and Architect, while the pie chart displays the top 10 locations such as Mountain View and Bangalore. Slicers let users filter by employment type like full-time or contract.

**Slide 9: Salary Insights**

The Salary Insights page offers a breakdown of pay across different factors. We use donut charts to show salary buckets by job type and pie charts for job title salary distribution and top-paying locations. Key KPIs like average and max salaries are also highlighted. Filters for pay period (hourly vs yearly), company tier, and employment type help users drill down for more tailored insights.

**Nishanth Kannepogu**

**Slides 11: Skill Analysis**

Our Skill Analysis page is built to help both job seekers and educators. It highlights the top 20 in-demand skills like Information Technology and Engineering, as well as the job roles requiring the widest skill sets—like Cloud Engineer.

We’ve included KPIs such as the average number of skills required per job, and a pie chart that breaks down skill types into technical, business, soft, and general. Filters for job title and skill category allow deeper exploration, making it easy to prioritize upskilling.

**Slide 12: Companies**

Next is the Company & Industry Analysis page. Here, we showcase which companies and industries are leading cloud hiring. For example, Google, Capital One, and Dice top the list. We also display the average company size, LinkedIn follower count, and job post views. Industries like IT Services and Software Development dominate the chart.

**Mahender Reddy Kamidi**

**Slide 12: Navigation, Visual cohesive**

Across all pages, we maintained visual cohesion. We used a soft beige theme with consistent sidebar navigation and color-coded visuals for salary, skills, and industry data. Slicers and dropdowns are uniform, and every visual responds dynamically to user selections. This consistent, responsive layout helps users gain personalized insights quickly—whether they’re filtering by role, company tier, or region.

**Slide 13: Validation**

To validate our work, we created a traceability matrix matching each requirement to dashboard visuals and validation steps.

For example, salary visuals were checked against CSV values, and skill charts were verified through grouped counts.

We also tested all filters to ensure accurate outputs for various user selections.

In conclusion, our application successfully meets the needs of both HR professionals and job seekers—enabling confident, data-driven decisions.

**Slide 14: Thank You**

Thank you for listening. We’re proud to present this user-centered tool, and we welcome your feedback and questions.