

Dimensional Entity Dictionary (DED) - Enhanced

Students

stu = Student

Definition: The list of students in the Data Science and Software Engineering program. Include attributes such as name, skills they are interested in, preferred jobs, etc.

Every student has at least one roadmap.

One student relates to many skills.

One student relates to many jobs.

Main tables:

t_stu_dim = student dimension

t_stu_fact = student fact

Skills

sk = Skills

Definition: List of the most valued or seek-after skills in the Area. Ex.: Python, Power BI, SQL, Statistics, etc.

Many skills can relate to many roadmaps.

Many skills can relate to many jobs.

One skill relate to one learning resource.

Main tables:

t_sk_dim = skills dimension

Roadmaps

road = Roadmaps

Definition: Learning paths that students could follow to enhance their abilities and improve their “market” value. A guide to know what to learn and where.

One roadmap relates to many skills

One roadmap relates to many learning resources

Main tables:

t_road_dim = roadmaps dimension

Online learning resources

learn = Learning Resources

Definition: List of websites and videos where students can learn about key skills and support their current learning. These resources are part of the career's roadmaps.

One learning resource relates to one skill.

Main tables:

t_learn_dim = Learning resources dimension.

Companies

comp = Companies

Definition: List of high-rated tech companies in the area and what jobs they offer.

One company relates to at least one job.

Main tables:

t_comp_dim = companies dimension

Jobs

jb = Jobs

Definition: List of popular jobs (job titles) and what skills they require, and what salaries are offered for the positions, along with other details.

One job relates to many skills.

One job relates to at least one company.

Main tables:

t_jb_dim = jobs dimension