

HR Recruitment

Section: AI S1,S2

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The Expert in Our System is Dr. Jorge Martinez-Gil. He is a computer scientist working in the Data and Knowledge Engineering field. He got his Ph.D. in Computer Science at the University of Malaga (Spain) in 2010.

He has held several positions across some European countries: Austria (Linz), Germany (Leipzig), Spain (Extremadura and Malaga), as well as several stays in Austria (Innsbruck), Germany (Bremen), and Spain (Mallorca). He wrote a paper in e-Recruitment which attracted a lot of attention using his expertise and his computer science knowledge.

Overall, Dr. Jorge Martinez-Gil is a highly knowledgeable and experienced professional who is well-equipped to handle a wide range of System and recruitment challenges and opportunities. He is committed to staying up-to-date on the latest developments in the field and is always looking for ways to improve their skills and knowledge.

In fact, last years have been even more intense in terms of research on new Recruitment techniques. This is mainly due to the need for computer-based intelligent techniques for recruiting employees in a highly competitive global market that have grown significantly during recent times. A number of works have detected the need of smarter e-recruitment systems for making the recruitment process more effective and efficient. Most of them agree with us to point that some kind of explicit knowledge could help to address this challenge. So we developed our system with the intention of assisting job candidates with

their job searches by assessing their qualifications against the job specifications and notifying them of their suitability for any position.

We obtained information from Dr. Jorge Martinez-Gil that assisted us in creating our system, which include the following:

We learned that a job has 4 main features in recruitments which are the candidate's years of experience, degree, certifications, and skills.

The degree and experience helps us in dividing the jobs into technical and non technical jobs. The non-technical jobs are for the candidates that have a degree or certificate in one of the non-technical fields available and it is the same for the technical jobs.

The non technical fields in our system are Sales, Accounting, and Reception
The technical fields are Software Engineer , Data Scientist , Cybersecurity and Information Technology

Work experience is one of the main factors that decides if the candidate is recommended for the job position. From the knowledge we acquired. A candidate without a degree can still be recommended for technical and non technical jobs by having work experience .

In Software Engineering: the candidate without a degree must have at least 3 years of experience to be qualified for the job.

In Data Science: the candidate without a degree must have at least 4 years of experience to be qualified for the job.

In Cyber security: the candidate without a degree must have at least 3 years of experience to be qualified for the job.

In IT : the candidate without a degree must have at least 2 years of experience to be qualified for the job.

In Sales: the candidate without a degree must have at least 1 years of experience to be qualified for the job.

In Accounting: the candidate without a degree must have at least 1 years of experience to be qualified for the job.

Every role in each field requires certain skills (General , Required ,Programming Languages),The higher the role the more skills required.

The roles of the jobs are divided into : Intern, Junior, Senior

In Software Engineering : The intern requires 0 years of experience , The Junior requires at least 2 years of experience, The senior requires at least 5 years of experience .

In Data Science:The intern requires 0 years of experience , The Junior requires at least 4 years of experience, The senior requires at least 8 years of experience.

In IT : The intern requires 0 years of experience , The Junior requires at least 3 years of experience, The senior requires at least 8 years of experience.

In Cyber security:The intern requires 0 years of experience , The Junior requires at least 5 years of experience, The senior requires at least 10 years of experience.

Any job needs at least 1 certificate to be recommended for any job.

A candidate without a degree, certificate, experience or skills in any field is recommended for working in security if he is a male and in service if she is a female.

Pictures of the Program Running:

HR

Enter your gender Male Female

Enter your degree(s):

Degree: Computer Science

Enter your certificate(s):

Field: SE
Name: Software Engineer

Field: Languages
Name: IELTS

Field: DS
Name: Foundations Of Ma

Enter your Work Experience(s):

Field: SE
years: 6

Field: DS
years: 1

Enter your General Skills(s):

General Skill: Teamwork

General Skill: Presentation

You Are Qualified For The Following Jobs

Ok Cancel

Security
Receptionist
Software Engineer Junior

HR

Enter your gender Male Female

Enter your degree(s):

Enter your certificate(s):

Field: Accounting
Name: Certified Accountant

Field: Languages
Name: IELTS

Field: Sales
Name: Certified Sales Person

Enter your Work Experience(s):

Field: Accounting
years: 5

Field: Sales
years: 1

Field: Languages
years: 2

Enter your General Skills(s):

Enter your Required Skill(s):

You Are Qualified For The Following Jobs

Ok Cancel

Service
Receptionist
Sales
Accountant

HR

Enter your gender Male Female

Enter your degree(s):

Enter your certificate(s):

Field: DS Name: Deep Learning Cert

Enter your Work Experience(s):

Field: DS years: 21

Enter your General Skills(s):

General Skill: Troubleshooting
General Skill: Presentation
General Skill: Communication
General Skill: Teamwork

Enter your Required Skill(s):

Required Skill: Data Visualization
Required Skill: Data Mining
Required Skill: Data Analysis

You Are Qualified For The Following Jobs

Ok Cancel

Security
Data Science Senior