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Hisham Mohammed Musa

Objective:

Excellence is a persistent endeavor; I am interested in Proteomics and Genomic Studies, Computational Biology Departments, Clinical Analysis, Pharmaceutical Research and Development Fields..

Personal Information:

Date of Birth: November,14,1980

Place of Birth: Jeddah, Saudi Arabia.

Marital Status: Single.

Nationality: Sudanese.

Experience:

2008-2009 ESquare Technologies Pune, India.

SAS Programmer:

- Statistical Analysis Software Programmer.
- Analyzed numerical data statistically.
- Carried out different studies covering different statistical techniques.
- Prepared the studies outcome to be viewed in an easily comprehensible and customizable presentation.

2006
Arabia

Almahawi Sweets.

Jeddah, Saudi

Quality Control Supervisor.

- Sat up the department for Quality Control from initial documentation level.
- Implemented the concept of Quality Control according to the rules and regulations of the International Standard Organization.
- Conducted follow-ups on products quality and non-conformation status.
- Implemented and developed Excellence in training courses for labors in principles of food safety, food industry personnel safety, food safe handling and processing.
- Extended the life time status for key major products manufactured by Almahawi Sweets.
- Standardized the process of raw material choice, manufacture, handling, dispatch and showroom-display environment of the products.
- Conducted routine checks and constant research on improving the quality of various food products produced by Almahawi Sweets.
- Presented and Conducted weekly and monthly records of the facility production performance.
- Kept logs and implemented corrective action when needed.
- Inspired, motivated and befriended the factory personnel so as to implement good food handling and safety practices.
- Strived to keep production run optimally on FIFO and thus regulated raw material sales purchase.

2005

Crescent Diagnostics.

Jeddah, Saudi Arabia

Assistant Production Supervisor.

- Handled and supervised the manufacture of medical chemical solutions and Diagnostic kits on a large industrial scale.
- Overviewed export processes of the company's products to over 20 countries.
- Managed the storehouse of the main factory facility, standardizing and organizing the processing of products entry and dispatch to both local and international clients.
- Attained excellence in innovating a filing and organization system for the huge warehouse and production line so retrieving any products has become so easy and less time consuming.

2004 **Regional Laboratories.** **Jeddah, Saudi Arabia**

Laboratory Specialist (Ministry of Health).

- Worked as a Specialist in Departments of Bacteriology, Parasitology, and Serology and Sample collection.
- Worked as a trainee in departments of Biochemistry, Hematology, Virology (PCR) and Mycology.
- Built up a practical knowledge and added a dimension to my college experience.
- Was able to gain a large amount of approval and gratitude for my dedication and focused approach and thus surpassing the predetermined expectations paradigm.

2003-2004 **Informatic InfoTech.** **Mumbai, India**

Customer Care Representative.

Accent and Sales Trainer.

- Worked on business process outsourcing projects that involved overseas sales and customer care chores.
- Developed Excellence in Accent training of the company's sale agents.
- Maintained Excellence in Sales training and customer's complaint handling.
- Implemented and exercised the spirit of team work in pursuing and realizing our team targets under tough time constraints.
- Got promoted on a very short time span multiple levels up, starting with a team leader and having become the floor manager, since my revolutionary work style approach made teams to compete and thus lifting up the performance.

Projects:

A Study in Biometry (Statistical Analysis of Clinical Data).

- This project was carried out toward the achievement of a SAS Professional Programmer certificate.
- The project involved obtaining datasets of observations with regard to Dose Response Surface Analysis of drug interactions in lab mice.
- Aimed at establishing logistic regression relationships of the drugs Marijuana and Morphine on lab mice.

Novel Therapeutic Approaches to Cancer Treatment by Inhibition of DNA Damage Signaling Pathways.

- This Project was carried toward the complete fulfillment of the Master of Science in Bioinformatics (M.Sc.BI) Degree Program from Sikkim Manipal University of Health, Medical, and Technological Science.
- Carried out the project work and training at Biomed Informatics (Medwin Hospital of Hyderabad).
- The project work involved designing –in silico- a known protein, locating its active site for drug attachment, and inhibiting the protein work so as to halt the cancer repercussive cycle.
- The project broadly covered Bioinformatics major tasks in areas of Genomics, Proteomics, Computer-Aided Drug Designing, QSAR assesment and employed a variety of different tools and software.

Protein Sequence Generation, Back Translation and Secondary Structure Prediction.

- This project was made towards partial fulfillment of the Master of Science in Bioinformatics (M.Sc.BI) Degree Program from Sikkim Manipal University of Health, Medical, and Technological Science.
- C++ was employed as an approach to generate random sequences of at least 20 amino acids and reverse translate each of the sequences thus generated.
- Secondary Structure prediction of the generated sequences using the GOR (Garnier-Osguthorpe-Robson) algorithm method.

Education:

- 2009** **ATS InfoTech** **Pune, India**
- SAS (Statistical Analysis system) Programmer.
- 2008** **Sikkim-Manipal University** **Pune, India**
- Master of Science in Bioinformatics. A grade, Consolidated B Grade.
- 2007** **Sikkim-Manipal University** **Pune, India**
- Post Graduate Diploma in Bioinformatics, B grade.
- 2007** **Professional Labs** **Pune, India**
- RedHat certified Linux Operating System Engineer.
- 2004** **National Institute of Management.** **New Delhi, India**
- Post Graduate Diploma in Business Management, Administration and Organization, First Class Grade.
 - Membership of the Central Institute of Management.
- 2003** **University of Mumbai.** **Mumbai, India**
- Bachelor of Science in Microbiology and Environmental Sciences, Second class Grade.
- 1999** **Alshoala Secondary School.** **Jeddah, Saudi Arabia**
- General Secondary Education Certificate, Major of Natural Sciences, Excellent Grade.

Computer Programs, computing proficiency and lab work experience:

- SAS programming Language.
- Perl scripting language.
- Comfortably able to manage various LINUX and WINDOWS workstations and a wide array of Bioinformatics skills.
- Fair practical knowledge on Photoshop, Flash, Dream Weaver.
- Comfortably able to manage tools that specialize in protein, genetic design and DNA design, manipulation, characterization and modification.
- Comfortably able to manage tools from the NCBI database including ORF finder (Open Reading Frames for DNA finder) , E-PCR (Electronic Polymerase Chain Reaction), Vec Screen, BLAST.
- Comfortably able to manage tools from the ExPasy Server .
- Handling and working with different Bioinformatics databases like Swiss Prot,ExPasy,RCSB...etc
- Using various protein visualization tools including SPDBV and RasMol for Homology Modeling and sequence manipulation.
- Able to work on a host of different computer-aided drug designing and drug docking software like Argus Lab, CaChe, VegaZZ.
- Having knowledge of the various statistical concepts employed frequently in Bioinformatics, computational biology and clinical trials data with the potential to learn and master new concepts.
- Having a flexible knowledge involving the various numerical methods and optimization techniques involved in computational biology and statistical analysis and descriptive statistics.
- Having the ability and practical experience to work in molecular biology labs both automated and manual, including ELISA machines, PCR, immunoblotting, electrophoresis...etc.
- Having the ability and practical experience to work in Quality Control, Research Development and Food testing labs.
- Having the ability and practical experience to work in dry informatics labs.
- MS OFFICE Package with very good proficiency.
- Strong oral and written communication skills in English and Arabic.

Natural Languages:

- English with excellent fluency and command on Speaking, writing and reading.
- Arabic with excellent fluency and command on Speaking, writing and reading.
- Hindi with medium level command on Speaking, reading and writing.

Associations, Memberships and Workshops

- Founding Member of the International Center for Scientific Research and Studies (ICSRS).
- Member of the Indian Central Institute of Management.
- Attended the Third Virtual Training Workshop in Bioinformatics conducted at the Asian Bioinformatics Research and Education Network.

Interests:

Reading books and journals related to biological and scientific fields, Poetry and Fine Arts, socializing.