Mohammad Sadeq Bolandian

Biotechnologist

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📞 +989140913424
📍 Alborz, Iran
📅 16 Jun 1998
⚭ Married
🔗 blog
○ Github
in Linkedin
○ Telegram

🎓 EDUCATION

Master of Science in Biochemistry, Islamic Azad University-Tehran Medical Sciences ⧉
2021 — 2023
Tehran, Iran
GPA: 18.86/20
Supervisor: Prof. Fereshteh Atabi ⧉

Bachelor of Science in Biotechnology, University of Tehran ⧉
2016 — 2021
Tehran, Iran
GPA: 16.41/20
Supervisor: Prof. Ali Bozorg ⧉

🌐 LANGUAGES

English ● ● ● ○ ○

Farsi ● ● ● ● ●
Native

Dedicated Biochemistry graduate with a specialization in Bioinformatics and a focus on Proteomics for my thesis. Proficient in various facets of data management, including data crawling, data cleansing, and statistical data analysis. Skilled in utilizing cutting-edge data analysis tools and packages to extract meaningful insights.

Known for my problem-solving acumen, I possess the ability to analyze, plan, design, and organize complex data-driven tasks. I make informed decisions based on thorough research and learning, demonstrating adaptability and quick mastery of new concepts. Energetic and proactive, I am committed to continuous improvement, eager to enhance my skills, and gain valuable experience in the dynamic field of Bioinformatics.

💼 PROFESSIONAL EXPERIENCE

Aryogen Pharmed, Cell Bank Expert ⧉
Jun 2024 — present | Alborz, Iran - On site

- Follow and implement protocols for the cryopreservation, storage, and recovery of cell lines, ensuring compliance with European Good Manufacturing Practices (GMP) to maintain high cell viability and functionality.
- Implement rigorous quality control measures, including regular testing and validation, to guarantee the integrity and stability of master and working cell banks.
- Utilize advanced biotechnological techniques to monitor and ensure the stability and performance of cell lines over time.
- Prepare cell cultures from the cell bank for inoculation into large-scale bioreactors, ensuring readiness for use in the production line while adhering to strict GMP guidelines.
- Collaborate closely with cross-functional teams, including R&D, production, and quality assurance, to support the development and manufacturing of biopharmaceutical products, ensuring all processes adhere to GMP standards.
- Conduct comprehensive training sessions and provide ongoing technical support to laboratory staff, ensuring adherence to best practices in cell bank management and compliance with regulatory requirements.
- Participate in the preparation and review of documentation, including Standard Operating Procedures (SOPs), batch records, and regulatory submissions, to support GMP-compliant production activities.
- Lead continuous improvement initiatives to enhance cell banking processes, increase efficiency, and support the scaling up of production capabilities while maintaining GMP compliance.

Baqiyatallah University of Medical Science (BMSU), Bioinformatic Researcher ⧉
Feb 2024 — present | Tehran, Iran - Remote

As part of a groundbreaking achievement by Iranian researchers, I contributed to a pioneering project focused on the differentiation of stem cells Under the supervision of Dr. Mehrdad Moosazadeh Moghaddam ⧉ and Dr. Ali Najafi ⧉ . The primary objective of the project was to conduct a comprehensive comparative analysis of the differentiation outcomes of adipose-derived mesenchymal stem cells. My specific role within the research team was to utilize bioinformatic tools and techniques, with a special emphasis on Proteomics investigation, to analyze and interpret the data obtained from both conventional methodologies and a cutting-edge method developed within our team.

Zistfan Lab Academy, Academic Teacher ⧉
May 2021 — present | Tehran, Iran - Remote

- Python Programming and Introduction to Machine Learning with a Bioinformatic approach
- R programming and Bio-statistics Tests
- Cancer Bioinformatics
- Functional Genomics
- Micro-array (Gene Expression Profiling) Data Analysis
- Next Generation Sequencing (NGS) Data Analysis

Yazd Shahid Sadoughi University, Academic Teacher ⊡
Apr 2024 — present | Yazd, Iran - Remote
Python Programming and Introduction to Machine Learning with a Bioinformatic approach ⊡

Ara Pajoohan, Academic Teacher ⊡
Nov 2023 — present | Yazd, Iran - Remote
Python Programming and Introduction to Machine Learning with a Bioinformatic approach ⊡

Islamic Azad University, Science And Research Branch, Academic Teacher ⊡
Jun 2023 — present | Tehran, Iran - Hybrid
Python Programming and Introduction to Machine Learning with a Bioinformatic approach ⊡

Maxim, Business Development Assistant ⊡
Oct 2022 — Oct 2023 | Tehran, Iran - On site
what i did in Pickup and Economy Departments:
- Developed and implemented comprehensive strategies to increase company revenue in Tehran.
- Utilized artificial intelligence and programming expertise to enhance efficiency and automate tasks.
- Evaluated development strategies across multiple dimensions to drive growth and profitability.
- Collaborated with cross-functional teams to optimize operations and maximize revenue generation.

AbanTether, Senior Transaction Specialist and CRM Manger ⊡
Apr 2021 — Apr 2022 | Tehran, Iran - Hybrid
My roles in Abantether:
- Transaction Execution
- Order Management
- Risk Management
- Cross-functional Collaboration
- Customer Support Supervising
- Transaction Monitoring and Reporting
- Process Improvements and Automation
- Market Analysis

Behnood Cellulose Yekta, Research And Development Manager ⊡
Apr 2019 — Mar 2020 | Tehran, Iran - On site
In my role, i developed the bacterial cellulose production methods and localized the mass production of this product in Iran; From the stage of optimization and discovery of the best suitable culture medium for bacteria to the provision of new bacterial strains from abroad and the technical requirements needed for mass production of the product.

🧠 SKILLS

Biotechnology Techniques ● ● ● ● ○

- Cell Culture Techniques
- Cryopreservation
- GMP Compliance
- Quality Control and Assurance
- Bioreactor Operation
- Polymerase Chain Reaction (PCR)
- PCR primer design
- Real-time PCR
- SDS page
- Agarose Gel Electrophoresis
- DNA extraction
- Gene cloning
- Immunohistochemistry
- Reverse Transcription Polymerase Chain Reaction (RT-PCR)
- Animal handling
- Animal models

Programming Languages ● ● ● ● ○

Python, R

Data Science & AI modeling ● ● ● ○ ○

Machine Learning, Deep Learning ↗

Databases ● ● ○ ○ ○

SQL-server ↗ , Linux

Web development ● ● ○ ○ ○

Wordpress