

# LLOYD SEBASTIAN

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## SUMMARY

MCA graduate specialized in AI, Machine Learning, and Web Development with a strong foundation in Python, Django, and software engineering. Skilled in developing innovative technology solutions and passionate about leveraging AI for real-world applications.

## SKILLS

**Programming:** Python, C, Java

**Frameworks:** Django, Flask, Streamlit

**Machine Learning:** TensorFlow, scikit-learn

**Version Control:** Git, GitHub

**Web Technologies:** HTML, CSS

**Database Management:** SQL

## EDUCATION

<b>Master of Computer Application</b> , Rajiv Gandhi Institute of Technology Kottayam, (6.59).....	<b>2024</b>
<b>B.S.c Mathematics</b> , Aquinas College Edakochi, (5.8).....	<b>2017</b>
<b>Higher Secondary Education</b> , Holy Family HSS, (81%).....	<b>2013</b>
<b>Secondary Education</b> , St. Joseph Public School Pattanakkad, (74%).....	<b>2024</b>

## CERTIFICATIONS

- NPTEL Certificate in Database Management Systems (DBMS)
- NPTEL Certificate in Privacy and Security in Online Social Media

## PROJECTS

### Multiple Disease Prediction Web App

- Developed a Streamlit web app for predicting heart, liver, kidney, and diabetes diseases using a combined ML model.
- Implemented deep learning models for Pneumonia, Malaria, and Breast Cancer detection.

### Wine Quality Detection Web App

- Created a user-friendly Django web app for predicting wine quality based on input characteristics
- Utilized a trained ML model to provide accurate predictions.

### Ecommerce Web App

- Built a Django-based e-commerce platform with features like user authentication, product management, and shopping cart functionalities.

# XANDER WINCHESTER

## Molecular Biologist

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## PROFILE:

Dedicated and innovative biochemist with a passion for unraveling the intricacies of molecular mechanisms. Possesses extensive experience in protein engineering, molecular biology, and enzymology. Proficient in a wide range of experimental techniques and computational methods. Adept at leading interdisciplinary research teams and fostering collaborative environments. Committed to advancing scientific knowledge and translating discoveries into real-world applications.

## RESEARCH EXPERIENCE:

**Senior Scientist**, Biotech Innovations Ltd., Scienceville, .....**2018-2022**

- Led a team of researchers in the development of novel biotechnological solutions for industrial applications.
- Designed and executed experiments to optimize enzyme performance and stability for use in biocatalysis.
- Collaborated with engineering and marketing teams to bring products from concept to market.

**Research Associate**, Pharmaceutical Research Institute, Scienceville, .....**2016-2018**

- Conducted drug discovery research focused on targeting protein-protein interactions implicated in disease pathways.
- Utilized high-throughput screening assays and computational modeling to identify lead compounds.
- Contributed to patent applications and research publications aimed at advancing therapeutic development.

**Laboratory Technician**, Biomedical Diagnostics Inc., Scienceville, .....**2014-2016**

- Conducted quality control testing on diagnostic reagents and medical devices.
- Assisted in the development and optimization of new assay protocols.
- Maintained laboratory equipment and ensured compliance with safety regulations.

**Teaching Assistant**, Department of Biochemistry, University of Science, Scienceville, .....**2012-2014**

- Assisted faculty members in laboratory courses, providing guidance to undergraduate students in experimental techniques.
- Graded assignments and exams, providing constructive feedback to students.
- Facilitated discussions and review sessions to enhance student understanding of course material.

**Intern**, Biopharmaceutical Research Institute, Scienceville, .....**Summer 2011-2012**

- Conducted literature searches to support experimental design and troubleshooting efforts.
- Maintained laboratory equipment and ensured compliance with safety protocols.
- Analyzed experimental data and prepared reports for presentation to research team.

**Intern**, Biopharmaceutical Research Institute, Scienceville, .....**Summer 2010-2011**

- Assisted faculty members in laboratory courses, providing guidance to undergraduate students in experimental techniques.
- Conducted literature reviews and data analysis to support ongoing experiments.
- Presented findings to research teams and participated in group discussions to brainstorm new research ideas.

# XANDER WINCHESTER

Molecular Biologist

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## COVER LETTER:

**Mr. Nick Nelson**

Hiring Manager

Biotech Solutions Inc.

456 Innovation Avenue

Scienceville, Labland, 56789

nnelson@biotechsolutions.com

+1 (555) 987-6543

Dear **Mr. Nelson,**

I am writing to express my interest in the Biochemist position advertised on your company's website. With a Ph.D. in Biochemistry and extensive experience in molecular biology, protein engineering, and enzymology, I am excited about the opportunity to contribute my skills and expertise to Biotech Solutions Inc.

During my doctoral and postdoctoral research, I developed a deep understanding of protein structure-function relationships and enzyme kinetics. My research has been published in reputable scientific journals, and I have presented my findings at international conferences. I am proficient in a wide range of experimental techniques, including molecular cloning, protein expression and purification, X-ray crystallography, and molecular dynamics simulations.

In my previous roles, I have demonstrated leadership abilities as a Senior Scientist at Biomedical Innovations Ltd., where I led a team in the development of novel biotechnological solutions. I have also collaborated effectively with interdisciplinary teams and have experience in project management and product development. Additionally, my experience as a laboratory technician and teaching assistant has equipped me with strong communication and mentoring skills.

I am particularly impressed by Biotech Solutions Inc.'s commitment to innovative research and its dedication to advancing biotechnology. I am enthusiastic about the opportunity to contribute to your company's mission and to work alongside talented professionals in the field.

I am confident that my background and skills make me a strong candidate for the Biochemist position. I am eager to further discuss how my qualifications align with the needs of your team. Thank you for considering my application. I look forward to the possibility of contributing to Biotech Solutions Inc.'s success.

Sincerely,

**Xander Winchester**

# XANDER WINCHESTER

Molecular Biologist

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## REFERENCES:

### Dr. Samantha Carter

Position: Professor of Biochemistry  
Institution: University of Science, Scienceville  
Email: sam.carter@scienceville.edu  
Phone: +1 (555) 789-0123

### Dr. Michael Johnson

Position: Chief Scientist  
Company: Biotech Innovations Ltd., Scienceville  
Email: michael.johnson@biotechinnovations.com  
Phone: +1 (555) 234-5678

### Dr. Emily Patel

Position: Director of Research  
Company: Pharmaceutical Research Institute, Scienceville  
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### Prof. David Brown

Position: Head of Department, Biochemistry  
Institution: University of Science, Scienceville  
Email: david.brown@scienceville.edu  
Phone: +1 (555) 321-0987

### Dr. Sarah Adams

Position: Research Manager  
Company: Biomedical Diagnostics Inc., Scienceville  
Email: sarah.adams@biomedicaldiag.com  
Phone: +1 (555) 876-5432

### Dr. Benjamin Garcia

Position: Principal Investigator  
Institution: Institute of Biochemistry, Scienceville  
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### Dr. Sarah Adams

Position: Research Manager  
Company: Biomedical Diagnostics Inc., Scienceville  
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### Dr. Benjamin Garcia

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Institution: Institute of Biochemistry, Scienceville  
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### Prof. Laura Williams

Position: Chair of Biochemistry Department  
Institution: University of Science, Scienceville  
Email: laura.williams@scienceville.edu  
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### Dr. Thomas Jackson

Position: Research Supervisor  
Company: BioPharmaceutical Research Institute  
Email: thomas.jackson@biopharmaresearch.com  
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### Prof. Jessica White

Position: Director of Graduate Studies, Biochemistry  
Institution: University of Science, Scienceville  
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### Dr. Daniel Lee

Position: Senior Scientist  
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