

## Contact

ayushjwala94@gmail.com

[www.linkedin.com/in/  
ayushjhunhwala](https://www.linkedin.com/in/ayushjhunhwala) (LinkedIn)

## Top Skills

FastAPI

Architectural Design

Project Management

## Publications

A Comprehensive Survey on the Nature of Ring:Ring Nucleobase Stacking Interactions in RNA: Occurrence, Structural Variability and Classification of the Associated Contacts

On the Nature of Nucleobase Stacking in RNA: A Comprehensive Survey of Its Structural Variability and a Systematic Classification of Associated Interactions

Going beyond base-pairs: topology-based characterization of base-multiplets in RNA

Occurrence and classification of T-shaped interactions between nucleobases in RNA structures

Structural and Energetic Features of Base-Base Stacking Contacts in RNA

# Ayush Jhunhwala

Python Developer | AI/ML Enthusiast | API & Product Development |  
Automating Research Workflow  
United States

## Summary

### Building Scalable & Intelligent Systems

I am a Python Software Developer with 6 years of experience in API development, product engineering, and automation. I specialize in building scalable back-end solutions, optimizing workflows, and leveraging Python for process automation.

### Expanding into AI/ML

As the tech industry evolves, I am deepening my expertise in Artificial Intelligence & Machine Learning, exploring how data-driven solutions can optimize decision-making and enhance automation. I enjoy learning through hands-on projects and open-source contributions.

### What I Bring to the Table:

- ✓# API Development & Optimization – Designing scalable, high-performance APIs
- ✓# Automation & Workflow Enhancement – Reducing manual efforts through Python scripting
- ✓# Data-Driven Insights – SQL, Power BI, and Tableau for advanced analytics
- ✓# AI/ML Exploration – Hands-on development of AI-driven applications
- ✓# Open Source & Knowledge Sharing – Actively contributing to tech communities

### What I'm Working On:

Developing AI-driven automation tools to streamline business processes

Contributing to open-source projects focused on Python and ML  
Learning advanced AI/ML concepts and applying them in real-world scenarios

Let's Connect!

I love engaging with professionals in AI, ML, Python development, and product innovation. If you're working on exciting tech, let's connect and exchange ideas!

---

## Experience

JPMorgan Chase & Co.

3 years 3 months

Lead Software Engineer Vice President

August 2023 - Present (1 year 10 months)

Remote, United States

Senior Software Engineer Vice President

January 2023 - July 2023 (7 months)

Hyderabad, Telangana, India

Associate Software Engineer

March 2022 - January 2023 (11 months)

Hyderabad, Telangana, India

OpenInvest

Software Engineer

March 2021 - March 2022 (1 year 1 month)

OpenInvest is a Public Benefit Corporation (PBC) dedicated to using technology to bring honesty and transparency to financial services, while making socially responsible investing easy and more accessible. We want to ensure that everyone's finances truly reflect their personal values and can drive positive social change.

Oracle

2 years 7 months

Application Developer

December 2019 - February 2021 (1 year 3 months)

Bengaluru, Karnataka, India

Integral part of Usage Event Rating team under Oracle CPQ, that enables both enterprise and mid size companies to streamline product selection, configuration, pricing, quoting, ordering, and approval workflows. Implemented the REST services and PUID uptake for Event Objects. Collaborated with other teams to integrate Standard Import/Export for seamless and effortless data migration.

### Application Developer

August 2018 - November 2019 (1 year 4 months)

Bengaluru, Karnataka, India

Integral part of the Oracle Cloud Loyalty team, that empowers businesses to innovate with rapid and simple loyalty program deployment using pre-built integrations and REST APIs.

Implemented PUID uptake for Loyalty Objects and integrated Standard Import/Export for data migration. Also, dealt with various PSR customer issues.

### IIIT Hyderabad

2 years 10 months

#### Teaching Assistant

August 2016 - May 2018 (1 year 10 months)

Hyderabad, Telangana, India

Assisting faculty with classroom instructions, exams, record keeping and other miscellaneous projects. Tutor and mentor the students taking that course.

#### Web Portal Admin

August 2015 - July 2016 (1 year)

Hyderabad, India

Managed the mess portal server and database of IIIT-H campus. It is built on MySQL database integrated with PHP, python, HTML and CSS.

### RobusTest

#### Product Engineering Intern

May 2015 - July 2015 (3 months)

Hyderabad

Worked on server-side using technologies like Django and MySQL. Also worked as an android developer on an application for automating certain functions.

### TAKE ZERO

#### Product Engineering Intern

December 2014 - January 2015 (2 months)

Hyderabad, India

Worked on server-side and back-end technologies for the development and implementation of the technology platform TAKE ZERO which is based on Django and Elasticsearch.

---

## Education

International Institute of Information Technology

Master of Science - MS, Computational Natural Science · (2017 - 2019)

International Institute of Information Technology

Bachelor of Technology (B.Tech.), Computer Science · (2013 - 2018)