

# YUVRAJ KUMAR JAISWAL

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## SUMMARY

Computer Science student with strong foundation in backend development using Java, Python, and SQL/NoSQL databases. Experienced in building scalable applications, designing RESTful APIs, and applying software engineering principles including OOP. Passionate about coding and problem-solving with hands-on project experience. Eager to learn and contribute to impactful fintech solutions while exploring AI-driven development workflows.

## EXPERIENCE

### Machine Learning Intern

UVA – Wear the Future!

November 2024 - April 2025, REMOTE

- Developed and optimized generative AI models to enhance creative workflows and operational automation across UVA's product ecosystem.
- Built advanced data preprocessing pipelines using Python to improve training efficiency and model performance.
- Collaborated with cross-functional teams to integrate AI-driven solutions into design and personalization features.
- Researched emerging AI technologies and applied best practices for ethical AI development and deployment.

## PROJECT

### Clique

- Built a campus-based e-commerce platform for buying and selling second-hand items.
- Promoted affordability and sustainability by reducing waste.
- Implemented secure authentication and optimized UI for a smooth experience.

### Mini Projects

- Developed personal portfolio website using HTML, CSS, and JavaScript with responsive design principles.
- Built multiple backend console applications in C++ and Python to strengthen DSA and problem-solving skills.
- Implemented algorithms focusing on OOP principles and clean, maintainable code practices.

## EDUCATION

### Bachelor of Technology | Computer Science

VIT Bhopal University • Bhopal, Madhya Pradesh • 2022-2026 • 8.09

### CBSE (XII)

O.P. Jindal School • Raigarh, Chhattisgarh • 2021-2022 • 88.6

### CBSE (X)

St. Michael's Sr. Sec. School • Raigarh, Chhattisgarh • 2019-2020 • 90.6

## CERTIFICATIONS

### Data Science Professional – Oracle

### Data Science with Python – IAMNEO

### Python Essentials – Vityarthi

### SQL and Databases for Developers – HackerRank

### The Bits and Bytes of Computer Networking - Coursera

## SKILLS

Programming Languages: C, C++, Java, Python, PHP, HTML, CSS, JavaScript, TypeScript

Tools & Platforms: VS Code, Git, GitHub, Linux (Basics), VS Code, Git, GitHub, Linux (Basics), Power BI, Microsoft Azure, Amazon Web Services (AWS), WordPress, WebSocket, Figma(for UI/UX Design)

Frameworks & Libraries: Spring Boot, Next.js, Pandas, NumPy, Tkinter, React (with Modern Hooks), Redux (State Management), Tailwind CSS / Styled Components

Databases: MySQL, MongoDB, SQL (Advanced Querying), Data Warehousing (DWH)

Backend Development: RESTful APIs, Microservices Architecture, Scalable Systems Design, Real-Time Communication

Core Concepts: Data Structures & Algorithms, OOP, SOLID Principles, DBMS, Computer Networks, Operating Systems, ETL (Extract, Transform, Load), Data Cleaning & Transformation, Data Visualization & Reporting, Business Intelligence (BI), Analytical Thinking, Problem Solving