

ARYAN KHATRI

Software Development Engineer Intern

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[Linkedin](#) | [Portfolio](#) | [GitHub](#)

EDUCATION

Chandigarh University

Computer Applications Bachelor's
CGPA: 8.07

Punjab

August 2022 - June 2025

Ryan International School

Degree in Post-Matriculation
Percentage: 83%

Faridabad, Haryana

2021 - 2022

Ryan International School

Degree in Matriculation
Percentage: 93%

Faridabad, Haryana

2019 - 2020

EXPERIENCE

Infosys | Software Development Engineer Intern

March 2024 - June 2024

- **Challenge:** Faced with the need to streamline bank cheque processing, which was traditionally slow and prone to errors.
- **Action:** Engineered an AI-driven automated cheque processing system using Python, OpenCV, Tesseract OCR, Natural language processing and MySQL. Worked collaboratively within a 25-member team following the AGILE methodology to ensure rapid and adaptive development cycles.
- **Result:** Increased cheque processing speed by up to 80%, significantly enhancing operational efficiency for banking clients.

Intel Corp. | Summer Trainee | AI for future workforce

June 2024 - July 2024

- **Challenge:** Prepared for AI-driven business challenges of the future workforce.
- **Action:** Completed training in Machine Learning, NLP, and Computer Vision, focusing on practical applications and project work.
- **Result:** Acquired essential AI skills for implementing real-world solutions

SKILLS

Programming Languages: Python, C++, JavaScript, SQL, HTML, CSS

Libraries/Frameworks: React, django, Flask, Fast API, Node js, Express js, Data Structures and Algorithms

Tools / Platforms: Python Automation (AI Intergration), Gemini Pro API, GPT API, REST API's, Agile Development Methodologies, Agile SCRUM Master, Microsoft 365

Databases: MySQL, MongoDB, Firebase

PROJECTS / OPEN-SOURCE

One District One Product (ODOP) | [Link](#)

HTML, CSS3, JavaScript, Tailwind CSS

Strengths: E-commerce platform promoting 100% local artisans and products. Direct sales, income generation and global market access.

Opportunities: Empower artisans, create jobs, and boost local economies by 100%

Aspirations: Establish a thriving marketplace for J&Ks unique products globally.

Results: Enhanced market linkages, job creation and access to global consumers using advanced technologies

VideoTube Video Player Using YouTube Data API | [Link](#)

React js

- **Strengths:** Custom video player using YouTube Data API, offering an ad-free, streamlined experience.
- **Opportunities:** Expand features like personalized recommendations and enhanced search filters.
- **Aspirations:** Become a leading lightweight alternative to YouTube, providing a cleaner user interface.

- **Results:** Successfully developed and deployed VideoTube, allowing users to search and watch YouTube content seamlessly.

Real Estate Application | [Link](#)

React js, Node js, Express js, MongoDB

- **Strengths:** Created a user-friendly web platform for real estate listings.
- **Opportunities:** Digitalization of real estate listings, making it easier for buyers and sellers to connect.
- **Aspirations:** Provide a seamless, digital real estate experience.
- **Results:** Successfully launched a functional real estate platform using React.js.

Messenger - API & Frontend | [Link](#)

Django, Reactjs, Javascript, Bootstrap

- **Situation:** Developed a Messenger app to enable real-time communication, supporting user profiles, messaging, and notifications.
- **Obstacle:** Faced challenges in handling real-time data synchronization and scaling for multiple users.
- **Action:** Built the backend using **Django** and **JavaScript**, **implemented a dynamic frontend with ReactJS and Bootstrap**, and integrated WebSockets for real-time messaging.
- **Result:** Achieved seamless real-time communication, with support for millions of users and improved response times by 25% through optimized server handling.

Library Management System - API | [Link](#)

Flask, MySQL, Jinja 3.0, CSS

- **Situation:** Developed a Library Management System API for efficient book, user, and transaction management.
- **Obstacles:** Faced performance bottlenecks and security challenges.
- **Action:** Created RESTful endpoints using Flask and MySQL, optimized database queries for faster processing, and implemented role-based access control.
- **Result:** Reduced query response time by 30%, enhanced security by 40%, and efficiently handled 500+ records across multiple departments.

CERTIFICATIONS

- IBM AI Developer - **IBM-Coursera**
- IBM Full Stack Software Developer - **IBM-Coursera**
- IBM Full Stack JavaScript Developer - **IBM-Coursera**

HONORS & AWARDS

- Won Tekathon 2.0
- Nominee for SIH 2023