Professional Summary:

Computer science graduate with expertise in Python, Java, and Cloud Platforms. Proven ability to deliver innovative software solutions and lead projects. Effective communicator and leader wit hands on experience in data science and web Development

Skills Snapshot:

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| Technical Skills | Python, Java, SQL and NoSQL DB, Google Cloud Platform  Numpy, Pandas, Flask, REST, Git/GitHub, Java Swing, JDBC |
| Functional Skills | Software project management, Application development and deployment, Data Structure and Algorithms. |

Education Details:

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| Qualification | Educational Institution |
| B.Tech. CSE | Mahakal Institute of Technology (8.41 CGPA) |
| Higher Secondary (12th ) CBSE | Ryan International School, Ghaziabad (92.4%) |
| Secondary (10th ) CBSE | Ryan International School, Ghaziabad (82.4%) |

Detailed Professional Experience:

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| Current Organization | Associate Trainee - Yash Technologies Pvt. Ltd. (April 2024 – Present) |
| Previous Organizations | 1. Intern – Webyaan (July 2023 – August 2023) 2. Project Intern – Solid State Physics Laboratory (DRDO) (September 2022 – October 2022) |

Detailed Project Experience:

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| Project 1 | February 2024 |
| Client Name | Kriyeta 2.0 National Hackathon |
| Project Name | Cartoon.ecommerce |
| Team Size | 5 |
| Role | Project Manager, Machine Learning Developer |
| Environment | Python, Flask, Numpy, Pandas, React JS, Mongo DB, Express JS, Firebase, Vercel (Hosting). |

Brief Description of Project: [Github Link](https://github.com/Aayush-Joshi-01/Cartoon-ecommerce)

Cartoon.ecommerce is an E-commerce application integrated with two ML models, Book Recommendation and Reverse Image Search, Frontend of the Application is Based upon MERN stack using Framer Motion and MUI components, for the integration of ML model Flask is used .

Contributions:

Implemented a collaborative filtering-based recommendation system and Reverse Image Search, enhancing user engagement and satisfaction, trained on 11 lakh user ratings and 17000 Images, used Flask for Python backend

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| Project 2 | July 2023 - Present |
| Client Name | Personal Project |
| Project Name | Chess with Chess Bot |
| Team Size | 1 |
| Role | Java Developer |
| Environment | Java, Java Swing, JSP |

Brief Description of Project/Contribution: [Github Link](https://github.com/Aayush-Joshi-01/Chess)

* **Chess AI Development:** Developing a Java Chess project with an AI bot using the Minimax algorithm.
* **User-Friendly Customization**: Implementing AI difficulty settings, Swing UI, and Two Player Functionality using JSP.

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| Project 3 | September 2022 - October 2022 |
| Client Name | Solid State Physics Laboratory – DRDO |
| Project Name | Chess with Chess Bot |
| Team Size | 1 |
| Role | Java Developer |
| Environment | Java, Java Swing, JSP |

Brief Description of Project/Contribution:

* Developed a cross-platform, multi-format file Encryption and Decryption Application, utilizing SHA algorithms.
* Created an intuitive Java Swing UI and wrapped the JAR file with Launch4j for native Windows executability and user experience.