



# Yash Sharma

yyash4205 Yash Sharma yash.sharma4205@gmail.com +91 9518076766

## EXPERIENCE

### BHARTI AIRTEL PVT. LTD. | BACKEND DEVELOPER

Jun 2024 - Aug 2024 | Gurugram, Haryana

- Developed a web application using Spring Boot, HTML, CSS, and JavaScript, ensuring cross-device compatibility. Integrated the front-end with Oracle Database, enhancing functionality. Collaborated with mentors, back-end developers, and product managers to optimize user experience.

## PROJECTS

### FLOOD DETECTION SYSTEM USING SATELLITE IMAGERY | PYTHON, TENSORFLOW,

DIGITAL IMAGE PROCESSING

2024

- Developed an AI-powered flood detection system processing **Sentinel-1/2** and **Landsat-8** imagery with **U-Net** architecture for precise water segmentation (IoU: 0.89)
- Engineered features including:
  - **NDFI (Normalized Difference Flood Index)** from multispectral bands
  - Texture features using **GLCM (Gray-Level Co-occurrence Matrix)**
  - Topographic features from **SRTM DEM** integration
- Achieved 92% classification accuracy using **Random Forest** on segmented outputs

### ONLINE-SHOPPING WEBSITE USING SPRINGBOOT | SPRINGBOOT

2025

- Developed a full-stack e-commerce web application using **Spring Boot** and **Java** with **Oracle Database** backend
- Implemented **role-based authentication** (Admin/Customer) using **Spring Security** for secure access control
- Designed intuitive UI with **HTML5**, **CSS3**, and **JavaScript** for product browsing, cart management, and checkout flows
- Built RESTful APIs for CRUD operations on products, orders, and user profiles

### AI FACTGUARD PRO USING STREAMLIT | PYTHON

2025

- Developed an **AI-powered news verification system** to analyze accuracy, bias, and reliability of articles.
- Implemented **automated claim extraction** and **real-time fact-checking** against trusted sources (APIs like MediaBiasFactCheck, NewsAPI).
- Integrated **multi-model AI verification** (Llama3-70B/8B, Mixtral-8×7B) for cross-referencing claims.
- Added **sentiment analysis** (VADER/Transformers) to detect emotional tone and potential manipulation..

## CERTIFICATIONS

- IBM Data Science Professional Certificate - Coursera
- Introduction to Internet of Things - IIT Bombay
- AI for Everyone - DeepLearning.AI
- The Web Developer Boot camp - Udemy
- Java Certificate - Educlentt Academy

## SKILLS

### PROGRAMMING

Proficient:

React • Java JavaScript • SQL • CSS • HTML • Python (AI & ML) • Springboot • Java

Experienced:

Springboot • Java • Python(AI & ML) • GenAI & LLM's

Familiar:

Html • SQL • CSS • JavaScript

### LIBRARIES/Frameworks

ReastAPI • Springboot • • React

### TOOLS/PLATFORMS

Git • Figma

## EDUCATION

### PDM PUBLIC SCHOOL

SECONDARY SCHOOL (CLASS X)

2020 | Bahadurgarh, Haryana

Percentage: 84.6%

### PDM PUBLIC SCHOOL

SENIOR SECONDARY SCHOOL (CLASS XII)

2022 | Bahadurgarh, Haryana

Percentage: 73%

### BML MUNJAL UNIVERSITY

BACHELOR'S IN COMPUTER SCIENCE

Sept 2022 - Present | Gurugram, Haryana

School of Computing

Cum. GPA: 6.61 / 10.0

## ACHIEVEMENTS

- Design Head and Executive Committee Member – Automobile Club
- Electric Mobility Hackathon – Organizer

## INTEREST/HOBBIES

- Formula 1
- E-Sports