

ARNAV SHARMA

Computer Vision & AI Engineer

+91-9005823111 | arnavsharmarox87@gmail.com | [linkedin.com/arnav](https://www.linkedin.com/arnav) | github.com/sharmaarn01 | [Codolio](https://www.codolio.com)

Objective

Computer Vision and AI Engineer with hands-on experience in deep learning pipelines, real-time video analytics, and ML deployment. Skilled in Python, PyTorch, OpenCV, and YOLO-based object detection systems. Experienced in building end-to-end ML solutions from data ingestion to deployment with strong foundations in backend integration, cloud computing, and scalable system design.

Education

Harcourt Butler Technical University (HBTU)

Kanpur, India

B.Tech. in ECE; Minor in BA

Graduation: 2026

- CGPA: 7.0/10

- Relevant Coursework: AI, DSA, DBMS, OOP, Operating Systems, Computer Networks, Software Engineering

Technical and Soft Skills

- Programming Languages:** Java, Python, JavaScript, SQL
- AI / Machine Learning:** Deep Learning, Model Training, Feature Engineering, Hyperparameter Tuning, Model Evaluation, Data Preprocessing, Predictive Modeling, Model Deployment
- Backend & Frameworks:** Spring Boot, REST APIs, Microservices, Hibernate, Backend Development, API Integration
- ML/DL Libraries:** TensorFlow, Keras, Scikit-learn, XGBoost, PyTorch
- Cloud & DevOps :** AWS, GCP, Cloud Computing, ETL Pipelines, PySpark, Data Warehousing, Kafka
- Databases & Tools:** MySQL, MongoDB, Power BI, Tableau (familiar), Git, GitHub, Docker, Jupyter, Google Colab.
- Development Practices:** Agile Methodology, SDLC, Version Control, Debugging, Unit Testing, Scalable Systems

EXPERIENCE

J.P. Morgan (Forage)

September 2025 - October 2025

Role - Micro Internship

- Developed RESTful microservices using Java and Spring Boot, implementing CRUD APIs and service layers.
- Applied object-oriented design, clean architecture, and participated in Agile ceremonies and code reviews.
- Used Git-based version control and CI/CD pipelines for automated builds, testing, and deployment.

Airports Authority of India

June 2025 – July 2025

Role - Summer Intern

- Analyzed and processed 10,000+ operational data points, to support system performance monitoring.
- Designed structured data workflows to detect anomalies and failure patterns.
- Built real-time Power BI dashboards to enhance observability, enabling data-driven decisions.

PROJECTS

Drive Pay Management System – Full Stack Application | Spring Boot, MySQL, React

December 2025

- Built a full-stack payment management system using Java, Spring Boot, React, and RESTful APIs.
- Developed secure modules for users, transactions, and reporting with MySQL integration.
- Implemented input validation, exception handling, and layered architecture to improve system reliability.

Amazon ML Challenge 2025 | Python, PyTorch, XGBoost, TensorFlow

August 2025

- Engineered a scalable ML pipeline combining deep learning and XGBoost for structured data forecasting.
- Optimized model performance through feature engineering and hyperparameter tuning, achieving 31.07% SMAPE.
- Focused on system efficiency, reproducibility, and modular design.

Heart Disease Prediction | Scikit-learn, Pandas, Matplotlib

June 2025

- Designed end-to-end data processing and model evaluation workflows using Python and Scikit-learn.
- Applied software engineering best practices for testing, validation, and performance analysis.

CERTIFICATIONS

- Oracle Cloud Infrastructure Certified Generative AI Professional
- Oracle Cloud Infrastructure Certified Data Science Professional
- Complete A.I. & Machine Learning, Data Science Bootcamp — Udemy
- SQL - MySQL for Data Analytics and Business Intelligence — Udemy
- Java Programming — Amigoscode

Oct 2025

Oct 2025

Achievements

- Solved 300+ coding problems on LeetCode, GeeksforGeeks, and HackerRank.
- Achieved LeetCode Rating: 1628
- McKinsey Forward Program 2025: Selected for a global professional development program.
- Deloitte Virtual Internship (2025): Executed Software Engineering micro-internship.