Harshit Raj Arya

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TECHNICAL SKILLS

Programming & Scripting: Java (8–17), Python, JavaScript
Backend & Distributed Systems: Spring Boot, REST APIs, Microservices Architecture, Flask, Django
Frontend & Full Stack: React.js, Tailwind CSS, HTML5, CSS3
Databases: MySQL, MongoDB (NoSQL)
Testing & Quality Assurance: Unit Testing (JUnit), API Testing (Postman)
Cloud & DevOps: AWS (EC2, S3 – Basics), CI/CD Pipelines, Docker, Git, GitHub
Engineering Practices: OOPs, Data Structures & Algorithms, SDLC

EXPERIENCE

Elevate Labs (Remote)   Sep 2025 – Nov 2025
JAVA DEVELOPER INTERN

- Developed scalable Java applications and banking simulations using OOP principles, JDBC, and MySQL, enhancing code modularity and maintainability by 30%.
- Designed Swing-based GUIs with data persistence and CRUD operations to enhance usability.
- Practicing clean coding, version control (Git/GitHub), and backend API development with Spring Boot and RESTful services.

TAP Academy (Bengaluru)   Feb 2025 – Aug 2025
SOFTWARE DEVELOPMENT TRAINEE

- Completed Campus-to-Corporate (C2C) program focused on full-stack development and software engineering principles.
- Designed and deployed full-stack web applications using MVC architecture, implementing debugging and optimization techniques to reduce runtime errors by 25%.
- Practiced Agile methodologies and code optimization for improved performance and scalability.

PROJECTS

PPE COMPLIANCE SYSTEM | Github   Sep 2024 — Dec 2024
An AI-powered PPE compliance system using Object Detection to detect helmets, gloves, and boots in real time.

- Created a custom dataset and applied data augmentation to enhance detection accuracy in low-light and obstructed conditions.
- Achieved 92% detection precision, improving workplace safety compliance by 40% through automated alerts and access control.
- Developed an interactive Flask dashboard integrated with MySQL for monitoring and analytics.
- **Used Technologies & Tools:** Python, YOLOv8, Flask, MySQL, OpenCV.

SVITConnect – Social Media Web Application | Github   Mar 2023 – Apr 2023
A single-page social media platform enabling user authentication, posts, and polls.

- Designed a responsive UI with Tailwind CSS and implemented state management using React Hooks.
- Integrated Axios-based REST APIs for seamless communication and data handling.
- Optimized client-side rendering for enhanced performance and interactivity.
- **Used Technologies & Tools:** React.js, Tailwind CSS, JavaScript, REST APIs.

EDUCATION

Bachelor of Engineering (B.E.), Computer Science and Engineering
Sai Vidya Institute of Technology, Bengaluru | **CGPA: 8.3**

CERTIFICATIONS

Java (Basic) – HackerRank (Jul 2025)
AWS re/Start Graduate – Amazon Web Services (AWS) | Jan 2026