ABHINAV DWIVEDI

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EDUCATION

Pranveer Singh Institute Of Technology, Kanpur **2021 – 2025**

B.Tech - Computer Science and Engineering(AIML) - ***CGPA - 7.3*** *Kanpur, Uttar Pradesh*

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Object Oriented Programming
- Database Management System
- System Design

INTERNSHIP

To The New Private Limited **Jan 2025 – Present**

Software Developer Trainee *Noida, India*

- Underwent an intensive Bootcamp training program at **To The New Pvt. Ltd.** focused on **core and advanced Java (including all major versions), Spring Boot, and backend API** development best practices.
- Designed and developed a complete backend project as part of the training, implementing key **RESTful APIs such as user registration, login/logout, category management, and product handling.**
- Gained hands-on experience with Spring Boot features including **validation, exception handling, layered architecture (Controller-Service-Repository), and integration with Hibernate/JPA for persistence.**
- Followed standard industry practices for **code quality, modularity, and REST principles** throughout the development lifecycle.

PROJECTS

ECommerce-Backend-Project | Java, Hibernate, MySQL, JPA, REST APIs, Maven, IntelliJ **2024-2025**

- Engineered a secure and scalable backend architecture using Spring Boot and Hibernate, achieving **90%** accuracy in user authentication and role-based access control.
- Optimized product catalog, cart, and category management modules; improved average API response time by **90%** through efficient query handling and validation layers.
- Integrated email-based account activation, admin approval workflows, and metadata-driven category filtering, delivering over **95%** functional coverage in business-critical features.

Social-Distancing-Detection-System | Python, YOLOv3, OpenCV, COCO, Google Colab **2022-2023**

- Utilizes advanced AI algorithms and computer vision technologies to accurately detect and measure the distance between individuals, achieving an accuracy rate of **75-80%**.
- Employs the pre-trained COCO (Common Objects in Context) dataset, consisting of over **3,30,000** labeled images for enhanced model training.
- Utilizes Python programming language and the OpenCV framework for developing, integrating, and implementing the detection system, achieving an overall accuracy of **75-80%**.

TECHNICAL SKILLS

Database: MySQL, SQLite, MongoDB

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

Technologies: Microservices, Monolithic, Spring Boot, Hibernate, Spring Data, Spring Security, Spring MVC, Spring Framework, REST APIs, Linux, RabbitMQ, Redis

Developer Tools: SonarQube, Gradle, Maven, Jenkins, Docker, Postman API, Git/GitLab/GitHub, Jira, IntelliJ, VS Code

CERTIFICATIONS

- ChatGPT and GPT-4 LLM Guide-Prompt Engineering for Everyone on **Jul 9, 2025** - Udemy
- Java Training Complete Course for Java Beginners All in One on **Jan 28, 2025** - Udemy
- Introduction to Artificial Intelligence on **Aug 21, 2023** - Infosys Springboard