

# PAWAN SHARMA

Chennai, Tamil Nadu

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pa1sha

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## EDUCATION

### Vels University

Bachelor of Technology - Computer Science Engineering: Data Science **CGPA - 8.8**

12 2021 – 05 2025

Chennai, India

### Sir Tashi Namgyal Senior Secondary School

CBSE - PCMB - **Percentage - 84.8%**

04 2019 – 07 2021

Gangtok, Sikkim

## COURSEWORK / SKILLS

- Data Science
- Network Security
- Artificial Intelligence
- Web Development
- Big Data Analytics
- Database Management System (DBMS)
- OOPS Concept
- Data Structures & Algorithms

## PROJECTS

### Embedding-Based Image Search Engine | AWS, Python, Docker, MongoDB

08 2021

- Built an image search engine using embedding-based techniques for accurate image retrieval based on content similarity.
- Integrated AWS services and CI/CD pipelines to optimize storage, scalability, and deployment..

### MySQL-Kafka-S3-Redshift Pipeline | Python, Confluent Kafka, Docker, AWS, MySQL

12 2024

- Built an ETL pipeline to export data from MySQL to Redshift using Kafka and S3, enabling efficient data warehousing for analytics.
- Achieved a 30% reduction in data processing time and improved query performance by 40% through schema optimization in Redshift.

### Warehouse Apparel Detector Web App | Python, HTML/CSS, Flask, ML, Postman

07 2024

- Developed a web app using YOLOv5 for apparel detection and classification in warehouses (helmets, vests, goggles, gloves, boots). Trained the model using Google Drive GPU with a dataset of 3,000 images.
- The web app enhanced inventory management by automating the detection and classification of apparel items

## PROFESSIONAL EXPERIENCE

### Techoctanet Services Pvt. Limited

05 2024 – 08 2024

Python Developer- Trainee

Chennai, India

- Designed and Deployed a Flask-based Image Scraper which utilizes HTML, BeautifulSoup, CSS, and JavaScript on Heroku for efficient extraction of images from web pages.
- Contributed to debugging and improving the software lifecycle, achieving a 15% decrease in production errors.

### CodSoft

02 2024 – 03 2024

Python Developer- Trainee

Remote

- Gained hands-on experience with React, Node.js, HTML, CSS, and MongoDB.
- Contributed to a responsive web application project, enhancing user engagement.

## TECHNICAL SKILLS

**Data Visualization:** Power BI, Google Data Studio

**Databases:** MySQL (Query Optimization, Data Extraction)

**Programming:** Python (Data Cleaning, Automation, Analysis)

**Data Analytics:** Trend Analysis, Pattern Recognition, Business Insights

**Data Integrity & Quality:** Data Validation, Accuracy, Consistency

**Soft Skills:** Client Communication, Problem-Solving, Collaboration

## CERTIFICATIONS

• AI/ML for Geodata Analysis - ISRO

• Oracle Cloud Infrastructure 2024 Generative AI Certified Professional

• Deep Learning Foundations - iNeuron

• Databases and SQL for Data Science with Python - Coursera

• Cloud Computing - Infosys

• Data Analytics and Data Science using Python