





SHASHANK TOMAR

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Education

University Institute of Engineering and Technology, Panjab University

Chandigarh, India

Bachelor of Engineering in Information Technology

Aug. 2021 – Present

CGPA: 8.75 / 10 (till 5th semester)

Pratap Public School

Karnal, Haryana

12th - Central Board of Secondary Education

Apr. 2019 – Apr. 2020

Percentage: 92.2%

Pratap Public School

Karnal, Haryana

10th - Central Board of Secondary Education

Apr. 2017 – Apr. 2018

Percentage: 84%

Experience

Bharat Electronics Limited

Panchkula, Haryana

Intern

Jun. 2024 – Jul. 2024

- Enhanced data storage and retrieval for Chandigarh's Smart City project, executing over 100 complex SQL queries with DBeaver and Vertica SQL Editor.
- Optimized database processes, resulting in improved system performance and reliability.

ICAR - National Dairy Research Institute

Karnal, Haryana

Summer Industrial Training

Jun. 2023 – Jul. 2023

- Developed a machine learning model to predict khoya's Equilibrium Moisture Content, increasing prediction accuracy by 15%.
- Designed and deployed a responsive API for seamless model integration.

Projects

Speech Recognition System | *Python, PyTorch, TensorFlow*

Aug. 2023 - Dec. 2024

- Designed an ASR system with real-time transcription capabilities, achieving a 90% accuracy rate.
- Utilized MFCCs for feature extraction and trained models with PyTorch and TensorFlow, improving text conversion reliability.

Attendance Management System | *MySQL, Python, Flask, HTML, CSS, JavaScript*

Apr. 2024 - May 2024

- Created an attendance management app with Python and Flask, reducing administrative workload by 40%.
- Integrated MySQL for data storage, enhancing system reliability and performance.

Inventory Management System | *Python, SQL, JavaScript, Node.js, Django*

Feb. 2024 - Mar. 2024

- Developed a robust system to manage product stock levels, track sales, and update inventory in real-time.
- Implemented SQL-based reports to analyze inventory data and sales performance by product category.
- Extended the system to include supplier management and purchase order functionalities.

Key Expertise / Skills

Programming Languages: C/C++, Python, SQL, R, HTML/CSS, JavaScript

Frameworks: React, Node.js, Flask

Tools: Git/GitHub, Docker, DBeaver, PostgreSQL

Libraries: pandas, NumPy, Matplotlib, TensorFlow, PyTorch

Core Skills: Data Structures, Object-Oriented Programming, Operating Systems, DBMS, Software Engineering, Problem Solving

Soft Skills: Decision-Making, Communication Skills

Trainings / Workshops

Amazon Machine Learning Summer School '24

Amazon

Key Skills: Machine Learning, Deep Learning, Reinforcement Learning

Jul. 2024 – Jul. 2024

- Supervised Learning, Deep Neural Networks, Dimensionality Reduction, Unsupervised Learning, Sequential Learning, Reinforcement Learning, Generative AI and LLMs, Causal Inference.

Google Cloud Study Jam

Google

Key Skills: Cloud, Google Cloud Platform, Cloud Computing, AI

Oct. 2023 – Oct. 2023

- Gained hands-on experience with various Google Cloud services like computing, storage, and data analytics through interactive labs and workshops.

Extra-Curricular Activities

1. Won a silver medal in Badminton at IIT Mandi fest Rann Neeti.
2. Participated in a photography competition.
3. Participated in various coding contest held in college.

Personal Interests / Hobbies

1. Playing Badminton and Basketball.
2. Photography and Editing.