SHAURYA BHARDWAJ

Course : **B.E. (Hons.)**, Electrical & Electronics, 2024
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ACADEMIC DETAILS

COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	Vasant Valley School	CBSE	95.8 %	2020
CLASS X	Vasant Valley School	CBSE	92.4 %	2018

Subjects / Electives	Microprocessors and Interfacing, Deep Learning, Digital Design, Signals and Systems, Probability and Statistics
Technical Proficiency	C++, Git, Python, PyTorch, Tensorflow, Pandas, NumPy, Deep Learning, Computer Vision, NLP

SUMMER INTERNSHIP / WORK EXPERIENCE

Data Science Intern, Grid Dynamics   **Jan 2024 - Present**
- Honed Data Storytelling skills through courses on Exploratory Analysis. Conducted a case study and crafted impactful visualizations.
- Developed models for Time Series Analysis and Natural Language Processing. Used Language models for tasks like semantic search.
- Engineering tasks including API generation, model compression and explainability and synthetic data creation, optimizing model usability

Summer Intern, Hilti   **Jun 2023 - Aug 2023**
- Analyzed Google Analytics setup for web and app user interaction, identifying gaps inhibiting effective data-driven business decisions.
- Pinpointed critical gaps in Google Analytics setup, built a year long roadmap with use cases for improvement in the implementation.
- Presented roadmap for enhancing the setup to various stakeholders, focusing on removing gaps and improving data-driven decisions.

PROJECTS

Data Exploration and Storytelling - Data Science   **Jan 2024 - Feb 2024**
- Utilized Global Trade data to examine India-China trade dependence, offering historical insights and interactive chart-based solutions.

Recommender System for Co-Authorship network - Data Science   **Feb 2024 - Apr 2024**
- Engineered a community recommender system utilizing a Graph Convolutional Network for co-authorship network graphs efficiently.
- Achieved 94% accuracy and recall, ensuring robust metrics for evaluating the effectiveness of community recommendations.
- Developed secure APIs for model access, for improved accessibility. Executed Explainable AI effectively, clarifying model outputs.

Arrow Detector - Computer Vision   **Nov 2021 - Jan 2022**
- Explored diverse Traditional Computer Vision techniques for arrow detection, incorporating Contour Detection for enhanced accuracy.
- Deployed Aruco Tag detection, validating its image-processing pipeline across varied conditions for consistent performance.
- Expanded functionality by developing a comparable pipeline to identify arrows, advancing its robust detection capabilities effectively.

Dynamic Maze Solver - Computer Science   **May 2021 - Aug 2021**
- Studied maze-solving algorithms like DFS, BFS, Dijkstra, and A* and designed a fast maze-solving algorithm by combining A* and DFS.
- Implemented PID controller for robot navigation in maze, achieving optimal pathfinding parameters for balancing stability and speed.

POSITION OF RESPONSIBILITY

Team Captain - Athletics   **Jun 2022 - Present**
- Led the team to 3rd place at Sportech 2022, securing 10 medals. Conducted recruitments, organized events, managed inventory.
- Secured 22 medals in various sports over 2 years at prestigious sports fests, such as those held at IIT Delhi and IIT Bombay.
- Managed team operations, event coordination, and inventory upkeep as Athletics Team Captain, ensuring smooth functioning.

Software Team Core Member - Consortium of Research in Space Systems **May 2021 - Present**
- Contributed to CRISS Robotics, qualifying for Indian Rover Challenge 2022, specializing in Deep Learning and Computer Vision.
- Led team recruitments, delegated tasks, and mentored juniors, enhancing collaboration and achieving success in technical challenges

CERTIFICATIONS

CERTIFICATION	CERTIFYING AUTHORITY
Improving Deep Neural Networks	Coursera
ML for Time Series Data	DataCamp
API Security Fundamentals	APIsec University
Large Language Models Concepts	DataCamp