

Karan Bhardwaj

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Education

- **National Institute of Technology Hamirpur** *Hamirpur(HP), India*
CSE Dual Degree, B.Tech CGPA: 7.49 2018 - - 2022
- **National Institute of Technology Hamirpur** *Hamirpur(HP), India*
CSE Dual Degree, M.Tech CGPA: 7.70 2021 - - 2023
- **Jawahar Navodaya Vidyalaya** *Hamirpur(HP), India*
XII CBSE Board, % age: 80.8% 2018

Work Experience

Spinks World

SOFTWARE DEVELOPER ENGINEER INTERN

Gurugram(Haryana), India
June, 2023 – Present

- Engineered client-based Windows applications using the .NET Framework.
- Orchestrated the configuration of SQL Server databases to ensure seamless and efficient data access for the applications.
- Implemented a server service to automatically archive data backups at regular intervals, ensuring data preservation after 7 days.
- Employed Modbus communication protocol alongside Programmable Logic Controller (PLC) integration to establish seamless interaction with machine sensors.

NIT Hamirpur

RESEARCH INTERN

Hamirpur(HP), India
June, 2021 - - July, 2021

- Worked in a team of 3 and demonstrated a working model to detect and identify evil twin AP's.

Projects

Malicious URL Detection | *Python, Machine Learning*

- Machine Learning Model.
- Using random forest, grading boosting and other ML classifications model.
- It recognises URLs as malicious or benign.

Object Detection Model | *Python, Deep Learning*

- Image Co-segmentation Model using a Conditional Siamese Convolutional Network.
- This model recognizes the same data objects in 2 images.

Drone Route Optimisation | *Python, Deep Reinforcement Learning*

- M.Tech Dissertation Project.
- The project uses Deep Reinforcement Learning for Route Optimisation of Drone in Rapid Delivery System.
- It gives a close to the best path for a drone in less time.

Movie Recommendation System | *Python, Machine Learning*

- Using Tkinter Module.
- GUI based windows software.
- It shows the details of similar movies according to the input of the user.

Technical Skills

Languages: C, C++, C#, JavaScript, Node.js, Golang, Python

Web Technologies: Express, React, MongoDB, Bootstrap, Chart.js, .Net

Tools: Linux, Bash, Visual Studio, Matlab, Git, L^AT_EX, SQL Studio(SSMS)

Achievements and Responsibilities

1. Volunteered at GLUG-NITH Society
2. Taught C/C++ to B.Tech 2nd year students as TA.