






PRABHJOT SINGH

 +91 9315839217

 pskamboj.0303@gmail.com

 New Delhi, India

 github.com/pskamboj

 linkedin.com/prabhjot-singh

SUMMARY

Passionate innovator skilled in developing cutting-edge defense robotics. Proficient in machine learning, deep learning, and Python programming. Integrates advanced IoT solutions to enhance project outcomes. Collaborative approach and expertise in AI-driven technologies ensure impact-full and innovative solutions.

[article hyperref](#) [lipsum](#)

Projects

Deep Learning	Self Driving Car Developed a neural network-based system enabling autonomous navigation and decision-making for a self-driving car, leveraging deep learning algorithms to interpret and respond to real-time environmental data.	Project Link
Deep Learning	Object Character Recognition Implemented neural network models to accurately identify and classify objects and characters in images, utilizing deep learning techniques to enhance recognition accuracy and efficiency.]	Project Link
Machine Learning	Hack Detection Developed a hack detection system utilizing the Random Forest classifier, trained on custom-collected data, to identify and mitigate security breaches in real-time, leveraging machine learning algorithms for robust detection and prevention.	Project Link

EDUCATION

2021-Present	Guru Tegh Bahadur Institute Of Technology Bachelors Of Technology in Artificial Intelligence and Machine Learning CGPA: 8.7	3rd Year
2019-2020	Guru Tegh Bahadur 3rd Centenary Public School Central Board Of Secondary Education 69%	Senior Secondary
2017-2018	Guru Tegh Bahadur 3rd Centenary Public School Central Board Of Secondary Education 89%	Secondary

EXPERIENCE

Mar 2024-Present	Development Intern <ul style="list-style-type: none">SAATVIC (Semi-Autonomous All Terrain Vehicle for Infantry Carriage) : A semi-autonomous vehicle designed to assist infantry in carrying equipment across diverse terrains.Project HEPTR (Development of AI-Based Algorithm for Helicopter Maintenance) : Created an AI-powered algorithm to analyze helicopter performance data and predict maintenance needs preemptively.	SCIROIT
Jan 2023-Jun 2023	Software Development Intern <ul style="list-style-type: none">Recommendation System : Designed and implemented a collaborative filtering recommendation system using techniques such as matrix factorization and nearest neighbor algorithms.Data Collection and Processing : Implemented machine learning models for automated data classification, cleaning, and transformation, optimizing data quality and usability for downstream analysis.	MEDOC
Jun 2023-Aug 2023 Virtual Internship	Project Based Internship <ul style="list-style-type: none">Data Science and Visualization Project : Implemented end-to-end data processing workflows, including data cleaning, feature extraction, exploratory data analysis (EDA), and predictive modeling, ensuring comprehensive data preparation for analysis.	KPMG AU

TOOLS AND FRAMEWORKS

Tools - Numpy | Pandas | Matplotlib | Seaborn | Selenium
Frameworks- Tensorflow | PyTorch | Keras
Coursework- DBMS | OOPs | Computer Networks