

Prakash Kumar

Associate Software Engineer - Data

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Education

Lovely Professional University

B.Tech in Computer Science, Specialization in Machine Learning, Punjab, India

2024

Relevant Coursework: Object-Oriented Programming, Data Structures, Database Management, Networking

Technical Skills

Languages: C++, Python, JavaScript, SQL (PostgreSQL, Oracle SQL)

Developer Tools: VS Code, PyCharm, Jupyter Notebook, Google Colab, GitHub, Docker

Frameworks: TensorFlow, Keras, Scikit-Learn, Pandas, NumPy, Flask, Django, React.js

Operating Systems: Linux, Ubuntu, Windows

Networking: TCP/IP, DNS, DHCP, VPN, Firewall Configuration, Load Balancing

Internship Experience

CodeSpaze

Remote

Machine Learning Intern

2025

- Worked on data preprocessing, exploratory data analysis (EDA), and feature engineering for ML models.
- Developed and optimized deep learning models for dimensionality reduction and classification tasks.
- Applied hyperparameter tuning techniques to improve model accuracy and generalizability.

Projects

Data Science, Machine Learning

Movie Metadata Analysis and Recommendation System

2023

- Analyzed and derived meaningful insights from movie metadata to develop a recommendation system.
- Utilized Pandas and NumPy for data manipulation and exploratory data analysis.
- Skills: Python, Pandas, NumPy, Data Visualization, Kaggle Datasets

ASP.NET, MVC, CRUD Operations

Book Store Website

2023

- Developed a book store website using ASP.NET MVC, implementing full CRUD functionality.
- Leveraged MVC architecture to ensure a clear separation of concerns.
- Skills: ASP.NET, MVC, Entity Framework Core, CRUD Operations

iOS Development, Swift 4.2, Swift UI

Movie Ticket Booking Application

2023

- Developed an iOS application for movie ticket booking using Swift 4.2 and Swift UI.
- Provided a seamless user-friendly experience for browsing and booking movie tickets.
- Skills: Swift 4.2, Swift UI, MVC

Deep Learning, LSTM, Keras

Document Verification Using LSTM

2023

- Preprocessed textual data and implemented an LSTM-based model for document verification.
- Skills: LSTM, Data Preprocessing, Model Building, Model Evaluation

Machine Learning, Autoencoders, Scikit-Learn

Credit Card Fraud Detection

2023

- Leveraged autoencoders and Random Forest Classifiers to detect fraudulent transactions.
- Skills: Autoencoder, Random Forest, F1-Score, Precision, Recall, AUC-ROC

Achievements

HackerRank: 3 Star Coder in Python and C++

HackerRank: 5 Star Coder in SQL and C++

LeetCode: 150+ Problems Solved in DSA

Competitive Coding: Active participation in weekly challenges on Code Studio.