

# Preet Govind

Software Developer

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<https://github.com/Preet-Govind>

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Ardent data science and machine learning developer with a strong engineering background and open-source contributions. Skilled in innovative problem-solving and eager to create impactful solutions.

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## Skills

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- C#, Java, Python, Bash Shell Scripting
  - ASP-DotNet MVC , Spring MVC , Flask
  - OracleDB , SQL Server
  - Extraction , Transform & Load (ETL) , Apache Hadoop
  - Data Science , Machine Learning , Deep Learning

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## Experience

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### National Informatics Center Services Incorp

Software Developer - Level 4

MAY 2023 - PRESENT, Dehradun

- Lead development projects for the State Planning Commission (Uttarakhand) and the Financial Data Center (UK Government).
- Develop and deploy full-stack web applications supporting over a million users, including the Accountant General.
- Manage UAT server operations and maintain ETL & Git pipelines to ensure efficient data synchronization.
- Develop and optimize SQL packages & procedures (Oracle SQL, T-SQL) and back-end solutions with C# and Java.
- Provide technology recommendations to the Deputy Director (FDC) and Technical Advisory Committee (TAC).
- Enhance data storage efficiency using tree structures, hash maps (Java), and hash tables (C#).
- Ensure data security and integrity with tuple logging and SHA-256 hashing.
- Elevated LightHouse ratings to 90%, enhancing page load times and user experience.
- Implement payment gateways for government web portals.
- Develop machine and deep learning models for Hindi script recognition, PDF data extraction, and image readability.

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## Internships

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### Big Data and Hadoop

National Institute of Electronics and Information Technology (NIELIT), New Delhi

JUNE - JULY 2019

- Introduction to Big Data Hadoop , working with Hadoop , Map Reduce.
- Programming using Java with Pig and Hive programming.
- Learned and earned experience of working on big data models and Big Data Engineering.
- Secured Marks 64% in the exam held by NIELIT

## ASP.NET with C#

NIELIT, New Delhi

JUNE - JULY 2018

- Code written for secured login and registration page .
- Also wrote a Windows executable program for Morse Code – English translator
- Secured grade 74% in the exam held by NIELIT.

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## Education

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### Uttarakhand Technical University,

BTech (CSE)

JUNE 2016 - JUNE 2020, Uttarakhand

Graduated with a Bachelor in Technology in Computer Science & Engineering.

CGPA : 7.21

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## Certifications

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### Stanford University & DeepLearning.io(Andrew NG ) - Coursera

Machine Learning Specialization

MAY - JUNE 2024

Grades : 100%

### National Programme for Technology Enhancement Learning (NPTEL)

Database Management System (DBMS) : (IIT Kharagpur)

FEBRUARY - MARCH 2018

CGPA : 5.26

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## Projects

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### Fake News Detection

- Based on Big data and Machine Learning.
- SVM and XGB Algorithms are pipelined and the score observed a hike of 3.34% in comparison to unpipelined SVM.
- Data sets used in this includes one from kaggle and another
- Scrapped from famous news websites using RSS Feed links compiled in one JSON file.

### PDF TextVision

- Human readability assessment of PDF file using Laplacian operation & Faster R CNN (deep learning) and extraction of Text from PDF file , with support for Hindi and English.
- Use of OpenCV2 , Python and PyTesseract as well as Flask as web application framework.

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## Awards

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Gold Medalist and 'A' Level Certified – National Cadet Corps (NCC)

First Position : Tabla Solo Instrumental – Zonal Level Competition , Delhi (NCT)

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## Declaration

I hereby declare that the information provided in this resume is true and accurate to the best of my knowledge.

Preet Govind

3rd August 2024