Preet Govind

Software Developer

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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.

Skills

- 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

Experience

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.

Internships

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.

Education

Uttarakhand Technical University,
BTech (CSE)
JUNE 2016 - JUNE 2020, Uttarakhand
Graduated with a Bachelor in Technology in Computer Science & Engineering.
CGPA : 7.21

Certifications

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

Projects

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.

Awards

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

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

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