Pankaj Kumar ⭐ Featured

Programmer Analyst seeking roles in Python Developer, Machine Learning, Data Science, Software Development, Scientific Computing, Finance, Requirement Gathering, Algorithm Development, Python,C++

Current Designation: Programmer Analyst

Current Company: Algowire Technologies

Current Location: Delhi

Pref. Location: Delhi / NCR,Bengaluru / Bangalore,Gurgaon

Functional Area: IT Software - Application Programming / Maintenance

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Key Skills: Software Developer,Software Development,Application Programming,Requirement Gathering,Web Development,Algorithm Development,Machine Learning,Python,C++,C,Javascript,Deep Learning,Computer Vision

Verified : Phone Number | Email - id

Total Experience: 8 Year(s) 0 Month(s)

Notice Period: 15 Days or less

Highest Degree: MS/M.Sc(Science) [Computational Simulation in Science]

Last Active: 22-Jan-21   Last Modified: 22-Jan-21

Summary

Result-oriented Professional with over 9 years of experience in Software Development,Application Programming,Requirement Gathering,Web Development,Algorithm Development,Machine Learning,Python,C++,C,HTML,CSS,Javascript,Matlab

Work Experience

Algowire Technologies as Programmer Analyst
Dec 2018 to Till Date

Ecommerce (Saltattire.com): Customer's intent to buy detection algorithm, customer segmentation, best sellers prediction using computer vision and NLP, Collective intelligence by analysing competitor's data, Web scrapping for trends detection and new products, Building end to end data pipeline for business intelligence, trends for scaling personalized web experiences for users.

Finance: Analyse stock data sets. Create, evaluate, and enhance mathematical models and streaming analytics pipelines. Analyse research papers for a trading signal.

Tools used: python, tensorflow, nltk, keras, numpy, pandas, Bash, scikit learn, C++

SIMSCALE GMBH as Simulation Engineer
Mar 2018 to Jun 2018

Contribution in the development of a tool for input validation rules(for the front-end) for a given simulation analysis using annotations and reflection in Scala. Simulation results analysis using python.
Tools used: python, C++, numpy, pandas

FORSCHUNGSZENTRUM JULICH GMBH as Research Assistant
Oct 2015 to Apr 2016

Contributed in the development of C++ Computational Fluid dynamics code Jufire based on Finite element library dealii, building test cases for verification and convergence analysis. Designed exercises for students.
Tools used: python, numpy, scipy, C++

Hpcl as Engineering Officer
Aug 2008 to Sep 2013

Developed a real-time energy optimization model to reduce the energy costs of oil pipeline operation on SCADA.

Education

UG: **B.Tech/B.E. (Mechanical)** from **Delhi College of Engineering (DCE), Delhi** in **2008**

PG: **MS/M.Sc(Science) (Computational Simulation in Science)** from **University of Wuppertal** in **2016**

Other Qualifications/Certifications/Programs:
DEEP LEARNING SPECIALIZATION
Machine Learning Specialization

IT Skills

Skill Name	Version	Last Used	Experience
C, C++, Python, SQL, Octave, Matlab			
HTML/css, JavaScript			
Python, Numpy, TensorFlow, Keras			
Statistics, Machine Learning			
Deep Learning, CNN, RNN			
Git, Jira, Scipy, Matlab			
Bash, and Linux			
Numerical Linear Algebra			
Python	3.8	2020	4 Year(s) 1 Month(s)
C++	c++11	2020	5 Year(s) 0 Month(s)

Languages Known

Language	Proficiency	Read	Write	Speak
English	Expert			
Hindi	Expert			
German	Beginner			

Projects

Project Title: COLLECTIVE INTELLIGENCE
Client: Saltattire.com
Nature of Employment: Full Time   Duration: Jun 2019 - Oct 2019
                                           Onsite / Offsite: **Offsite**
Project Details: Designed a completely automated framework that analyses products on the competitors website, finds trends, bestsellers features using a ML model on the top of the framework and product pricing analysis.

Tools used: python, selenium, nltk, computer vision, tensorflow

Project Title: BEST SELLER PREDICTION
Client: Saltattire.com
Nature of Employment: Full Time

Duration: Mar 2019 - Apr 2019
Onsite / Offsite: Offsite

Project Details: Bestsellers prediction using the Long-term Recurrent Convolutional Neural Network after extracting the useful features i.e. words using TF-IDF, colour and the product image, with ROC greater than 0.60.

Tools used: Tensorflow, Keras, nltk, transfer learning, python, machine learning, computer vision

Project Title: FACE RECOGNITION
Client: ACADEMIC PROJECTS
Nature of Employment: Full Time

Duration: Jul 2018 - Aug 2018
Onsite / Offsite: Offsite

Project Details: Built face recognition using Research paper Facenet published by google. Keras and Tensorflow deep learning frameworks were used.

Tools used: Tensorflow, Keras.

Project Title: NAVIER STOKES EQUATION
Client: Forschungszentrum Jeulich
Nature of Employment: Full Time

Duration: Nov 2015 - Aug 2016
Onsite / Offsite: Offsite

Project Details: Solves Navier-Stokes numerically using C++ code(based on finite element library package Deal.II)and simulation of laminar flow around a square obstacle.

Tools used: C++

Project Github link: https://github.com/pankajkumar9797/Navier-Stokes

Affirmative Action

Category: General

Physically Challenged: No

Work Authorization

US Work Status: Need H1 Visa

Job Type: Permanent

Employment Status: Full time