

Venkat Raman Pandey

Software Engineer | Data Science

An Experienced Software Professional looking for new adventures in Data Science.

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EXPERIENCE

Data Science Experience and Skills

End to End cycles of the data science

Data Wrangling (Cleaning & Ingestion)
Feature Engineering (Statistical analysis based feature selection)
Model Training (Machine & Deep Learning, HyperParameter Tuning, GridSearch)
Model Validation (Performance Evaluation)
Model Deployment (AWS Cloud)

Tools

SQL, Python (pandas, numpy, sklearn, tensorflow, scipy, matplotlib, seaborn, feature_engine, mlxtend, flask), Jupyter Notebook, spyder, Linux, Apache Spark (pyspark, MLlib), conda, pip, AWS SageMaker, Google Colaboratory

My Data Science Repo

https://github.com/Venkatpandey/DataScience_ML
<https://github.com/Venkatpandey/AmazonSageMakerCourse>

Course & certifications

Feature Selection for Machine Learning
Machine Learning, Data Science and Deep Learning with Python
AWS Certified Machine Learning Specialty (MLS-C01)

Docomo Digital Payments, Düsseldorf

Senior Software Engineer

June 2021 - PRESENT

Development of Direct Carrier Billing software application system, processing 300k+ transactions/hr and serving millions of users worldwide.

Contributing in all phases of the development life-cycle.

Improved system stability by introducing mechanisms to prevent redundant job execution in multi node environments.

Stack & Tools: JAVA, Spring, SpringBoot, Hazelcast, JPA, Junit, Kafka, Postgresql, ELK, SOAP, REST, Tomcat, Maven, SOAPUI, LINUX, IntelliJ, Bitbucket (Git), JIRA, Confluence, Jenkins

SKILLS

Primary (4+ years): Java, Python, SQL, Bash, Apache Spark, Scala, Hadoop, ETL, MVC, OOP, Kafka

Software Development best practices: TDD,DDD, Agile, CI/CD, Microservices, MVC, REST Unit Testing, Integration testing

Strong analytical and problem-solving skills

Project organizational and Planning skills, Agile methodologies

Secondary: TypeScript, DevOps, MLOps

TOOLS I'M USING

GitHub, Slack, JIRA, Wiki, Confluence, Git, IntelliJ, Kanban, AWS, Jenkins, Java Spring, Maven, junit, MySQL, PostgreSQL, PLSQL, SQL Developer, Unix, Windows

LANGUAGES

Fluent English, Basic German (A2), Native Hindi

ICE International Copyright, Berlin

Senior Developer

March 2020 - May 2021

Development of ICE Online Licensing System, and ICE Online Import System.

Contributing in all phases of the development life-cycle.

Introduced work-flow process automation and reduced manual efforts.

Development and maintenance of data pipelines based on spark & scala, Java batch process jobs, middleware applications, Lambda functions, spring boot based services.

Stack: Java, Scala, Spring, Hibernate, JUnit, SQL, Apache Spark, Maven, Git, AWS.

Scrum environment; JIRA, GitHub, Slack, Confluence, Service Now

JAVA Developer

April 2018 - Feb 2020

PHP Developer

April 2016 - March 2018

Siemens Healthcare, Erlangen— Master Thesis

May 2015 - March 2016

Thesis topic: Extraction of Relevant Clinical Data for Radiological Diagnosis based on FHIR

A (AI) helper tool to assist Radiologists while preparing Radiological Reports, By providing them with relevant information on which they are making a diagnosis in real time.

Stack: Domain Modelling, Data Extraction, XML, Ontology, NLP, Semantic Searching, .NET C#

Siemens AG (Healthcare Sector), Erlangen— Working Student

December 2014 - April 2015

Working Student: The evaluation and development of software prototypes in the field of radiology report generation.

Development of prototype web application for handling Radiology report templates, single central repository of all radiological reports where users can combine components to make new reports format.

Stack : PHP, MySQL, XML, XSLT, Angular js, Apache

EDUCATION

SRH University of Applied Science, Heidelberg — MSc.

March 2016

Master of Science, Applied Computer Science

Major - Development of Multimedia Systems

Visvesvaraya Technological University, Bangalore — B.E.

July 2013

Bachelor Of Engineering, Computer Science

CERTIFICATION & RECOGNITIONS

Linux System Administration

NobleProg - Certificate ID: 524061

From Scala To Spark

NobleProg - Certificate ID: 591567

AWS Cloud Essentials

AWS