Akansha Jain

Hillsboro, OR| akansha@pdx.edu | LinkedIn | Github | +1 832-983-7951

EDUCATION

Portland State University, Portland, OR, USA
Master of Science in computer science, Overall GPA: 3.5/4   *Mar 2021 – Expected Dec 2022*
Course Work: Web Development(front end and Intro), Machine Learning,
Databases, Exploration in Data Science, Cloud and Cluster Data Management, Operating Systems

Sri Balaji Society, Pune, Maharashtra, India
Post-Graduation and Diploma in Management in IT and Systems (SAP)   *May 2016 - May 2018*

Poornima Institute of Engineering & Technology, Jaipur, India
Bachelor of Engineering in computer science   *May 2011 - May 2015*

SKILLS AND CERTIFICATIONS

Computer Languages: HTML, CSS, JavaScript, React JS, C, C++, JAVA, Python
Database: MySQL, MongoDB
Tools: Wireshark, IntelliJ, Tableau, Git, SQLite, MATLAB, Google cloud platform, VS code
Certifications: JAVA, Global certification in SAP SD including 200 hours of VLT, SQL Programming

WORK EXPERIENCE

Software Engineer, Knack Systems, Mumbai, India   May 2018 – Mar 2020
Analyzed customer's software requirements and translated into **functional and configurational solutions**.
Prepared scope of work, and request for proposals. Completed risk identification assessment and presented
technical demos. Successfully converted two prospects into customers within a year. Worked on the **SAP CX**
portfolio with hands on experience on **SAP Sales cloud** and **Service cloud**.

Internship, Tata Technologies, Pune, India   Aug 2017 – Nov 2017
Integrated the suppliers and manufacturers via **EDI** for logistic and financial business process. Coordinated with
offshore team on responsibilities and track deliverables and generated EDI documents. Received a certificate of
appreciation for the successful completion of the project.

PROJECTS

Database Management System for Employees: Designed and developed schema for employees with
PostgreSQL to run multiple complex queries as per user's choice.

Credit Card Fraud Detection: Gathered the 284,807 credit card transactions dataset from Kaggle. Implement
machine learning model and compared two algorithms **Support Vector Machine** and **Random Forest Algorithm**
to determine the fraudulent transactions of credit card. Obtained the **confusion matrix** to get the accuracy, precision
and recall of both the models and find out that Random Forest Algorithm is more effective.
Result: Random Forest Accuracy: 99.96% and SVM Accuracy: 99.95%

Internet Relay Chat: Developed a TCP **client-server interface** where client is able to communicate through a
central server. This is a GUI based application, designed using **Python's** Tkinter module. Secure messaging and
error handling were out of the box features for the application.

Traffic Congestion and Incident Analysis: Obtained the data for highway I-205 from PORTAL. Aggregated,
cleaned, and filtered the data using **Python script** on **Google cloud**. Generated heatmaps using **MATLAB**, and
Tableau and analyzed the graphs and the correlation between the average speed that led to congestion and incidents.

Freeway Dataset: Analyzed the Freeway dataset. Sanitized, aggregated, filtered the data, and then designed the
freeway schema using **MongoDB**. Executed the complex queries designed in **python**.

Ongoing:
Personal Portfolio: Designing a responsive personal portfolio web page using **HTML, CSS**, and **JavaScript**
which includes my personal information, experience, projects. User can also access my LinkedIn, Github and
contact me on my email id.

Bigboard: Developing front-end user experience using **HTML, CSS, ReactJS and APIs**. Allows user to search
for a stock information using stock code and shows the historical data.