

# Vanshika Assudani

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## SUMMARY

Dedicated and meticulous, having a knack for comprehending business processes and developing useful metrics and benchmarks. Analyst with experience with SQL and Python-based machine learning models. Experienced in website development.

## EDUCATION

**Master of Science in Management Information Systems** **Expected December 2023**  
**Stevens Institute of Technology, Hoboken, NJ - Provost's Masters Fellowship** GPA 4.0/4.0

**Related Courses:** Data Management | Business Analytics | Data Analysis & Machine Learning | SQL | Integrating Information System Technologies | Process Innovation and Management | Cloud Computing | IT Strategy | Big Data Technologies | Supply Chain Management | Project Management | Financial Decision Making

**Bachelor of Technology in Computer Science and Engineering** **November 2020**  
**Anjuman College Of Engineering and Technology, RTMNU University, Nagpur, India** GPA 3.7/4

**Related Courses:** DBMS | Data Structures and Program Designing | Advanced C Programming and Logical Designing | Object Oriented Programming | Ethics In IT

## SKILLS

**Computer Languages** : C/C++, JavaScript, SQL, Python (Numpy, Pandas, Matplotlib, Potly, Scikit-Learn)  
**Data Visualization** : Tableau, Power BI, Signavio, Erwin, RapidMiner Studio, Excel (Pivot Table, VLOOKUP, Nested If)  
**Web Technologies** : React, CSS3, HTML5, NodeJS, Angular  
**Databases** : PostgreSQL, MySQL, MongoDB  
**Certifications** : AWS Cloud Practitioner Certified ([Link](#))

## EXPERIENCE

**Avis Budget Group | Parsippany, New Jersey** **May 2023-Present**

### Information Technology Analyst Intern – Audit & Compliance

- Performed extensive compliance evaluations to guarantee conformity to multiple regulatory frameworks, such as SOX and ITGC, and engaged with teams to deliver audit results and suggestions, employing AuditBoard data analysis
- Led IT audit engagements, coordinated with stakeholders, and provided timely and impactful audit reports to management. Assisted in the development and enhancement of the IT audit program, ensuring it aligned with organizational objectives and industry best practices

**Stevens Institute of technology | Hoboken, New Jersey** **December 2022-May 2023**

### Data & Web Operations Analyst Graduate Assistant

- Performed data analysis on the stevens.edu website for data purification and generating informative findings using **Google Analytics 4**; using Contentful to send information via **RESTful API**
- Analyzed website's behavior utilizing **Site improve analytics** to comprehend visitor behavior and website performance via the use of intuitive dashboards

### Research Assistant

**July 2022 – August 2022**

- Collected and evaluated datasets of Stevens prospective, current and alumni student's populations and created a database modulated in **Python**
- Developed a user-friendly form that is database accessible using **PySimpleGUI** package

**Coditas | Pune, India** **January 2021 – December 2021**

### Software Developer

- Developed 3 working websites (supporting web and mobile) enabling clients to grow business efficiently and increased overall sales by 20%
- Devised end-to-end pixel-perfect UI with API integration. Applied clean code architecture principle, dependencies injection, and dynamic components to be utilized across an entire project
- Knew how to understand client needs to make test plans for improvements and bug fixes. and followed strong **Agile** principles by setting up daily standups and demos at the end of each weekly sprint

## ACADEMIC PROJECTS

**Stevens Institute of Technology | Hoboken, New Jersey**

### Analyzing Supermarket Sales trend

**August 2022 – December 2022**

- Performed a **t-test** and **regression** analysis in **Microsoft Excel** to determine whether product quantity has a substantial impact on revenue
- With a p-value of 0.331 from a **CHI-SQR** test, it can be seen that the gender of the buyer makes no difference in sales. These numbers were plotted in **Tableau**

### Bank Marketing

**January 2022 – May 2022**

- Analyzed complex client dataset with in-depth statistical analysis and classification for the better prediction of patterns credible customers subscribing to classification models (Decision Tree, Random Forest, KNN, Logistic Regression) yielding 91% accuracy
- Imported bank balanced data set into **Python notebook** and conducted data exploration and manipulation, followed by data modeling
- Used packages like **sklearn OrdinalEncoder** and **StandardScaler** for changing the categorical values to numeric by scaling the dataset
- Trained the dataset by using **Random Forest** and **Gradient Boosting (GBM)** machine learning algorithms, used **XGBOOST** for evaluating accuracy

### ArtGallery Purchase System ([Link](#))

**August 2021 – December 2021**

- Built a shopping cart, artwork description, and homepage for an online art gallery utilizing the **REACT** framework and **JavaScript**
- Validated user login and registration pages utilizing **REACT REGEX** and created reusable code blocks implementing **useReducer()** and **useContext**

## EXTRA CURRICULARS

**Stevens Institute of Technology | Hoboken, New Jersey**

- Graduate Student Assistant, Business School** **June 2022 – July 2022**
- Graduate Student Web Support and Content Migration Assistant, Division of University Relations** **August 2022 – October 2022**
  - Redesigned stevens.edu in contentful, scraped data from the previous site, and fixed issues with JavaScript
- Teaching Assistant, Data analytics and machine learning (MIS-637) and Operations Management (EMT-657)** **August 2022 – December 2022**
- Teaching Assistant, Applied Analytics (BIA-610)** **January 2023-Present**