

# Tanooj Reddy Seelam

(571)-591-8964 | tanooj.seelam1020@gmail.com | linkedin.com/in/tanooj-seelam | github.com/Tanooj-Seelam

## Education

### Master of Science in Computer Science

Tempe, Arizona

Arizona State University — GPA : 3.83

May 2024

- Courses : Foundations of Algorithms, Data Mining, Data Processing at Scale, Fundamentals of Statistical Learning.

### Bachelor of Technology in Computer Science and Engineering

Amaravati, India

Vellore Institute of Technology — GPA : 8.61

May 2022

- Courses : Database Management Systems, SQL and NoSQL, Data Structures and Algorithms, Artificial Intelligence.

## Professional Experience

### Data Analyst - Arizona State University

Feb. 2023 - May 2024

Student Worker IV

Tempe, USA

- Analyzed resource allocation and budgeting processes, identifying inefficiencies and reallocating funds to high-impact initiatives, leading to a 15% reduction in operational costs and a 10% increase in student services funding.
- Spearheaded the creation of a predictive model leveraging admissions data from 2015 to date, achieving 95% accuracy revolutionized ASU's admissions process, resulting in more targeted student recruitment and increased enrollment rates.
- Implemented PostgreSQL, DBeaver, and Alteryx to enhance data extraction processes, cutting retrieval time by 40%; optimized all scripts for efficiency, resulting in a 30% performance boost and facilitating in-depth analysis.

### Backend Developer Intern - Trie Coders PVT LTD.

Jan. 2022 - Jun. 2022

Intern Developers

Bengaluru, India

- Orchestrated the launch of a cutting-edge Lead Management System, consolidating data into a central repository, resulting in a notable 72% reduction in data loss and an impressive 82% enhancement in operational efficiency.
- Developed a high-performance application with Swing MVC and Apache Tomcat, enhancing sales efficiency by 40%; optimized server response by 30% and reduced page load times by 25% using JSP and servlets.
- Attained server-side solutions with JSP and servlets, achieving a 31% improvement in page load speed and a 27% reduction in server response time, resulting in a 36% increase in Apache Tomcat routing efficiency.

## Skills

### Programming & Databases

Java, Python, C, J2EE, MySQL, NoSQL, SQL Server, MongoDB, PostgreSQL

### Data Analyst

Data Visualization, Data Mining, Data Cleaning, Machine Learning, DAX

### Tools & Technologies

Power BI, Tableau, Microsoft Office, , ETL & ELT, Alteryx, AWS QuickSight

### Web Technologies

HTML5, CSS, JavaScript, PHP, Apache Tomcat, JSON, AJAX, Angular

## Projects

### Online Sales Analysis | Machine Learning, Python, iPython

Jun. 2024 - Jul. 2024

- Streamlined data processing methodologies for a 400K+ sales dataset, enabling the identification of key market trends. Automated conversion of date data to time series, this initiative improved forecasting accuracy by 15% and analysis.
- Investigated daily and monthly sales patterns, revealing a 12% sales surge during peak months; designed comprehensive visualizations of performance across 5 categories, facilitating strategic decisions that yielded a 20% increase in revenue.

### Hotel Performance Perusal | DAX, PowerBI, Level 2 and Level Analysis

May 2024 - Jun. 2024

- Transformed and modeled 1.66 million data points from diverse sources in Power BI, resulting in a 39% reduction in data processing time and a 67% improvement in data accuracy for actionable insights by using DAX.
- Engineered Power BI dashboards incorporating advanced visualizations, filters, and conditional formatting; increasing user engagement by 42%, reduced data analysis time by 51%, and revamped data-driven decision-making by 74%.

### Company Sales Analysis | Power BI, ETL, MySQL

Oct. 2022 - Nov. 2022

- Crafted an intricate Power BI dashboard with 149,855 records, streamlining data via MySQL connection and ETL tasks; achieved 30% reduction in data redundancy and 40% better query performance, showcasing a 2% profit margin.
- Initiated target achievement sliders to highlight under-performing markets, boosting focus in these areas by 20%; upgraded accessibility and user engagement by creating a mobile view, increasing engagement by 60%

## Leadership

- Directed a four-member Data Analyst team, achieving a 25% increase in project completion rate and a 15% enhancement in data accuracy, thereby driving team success and fostering professional development.