



# Venumadhuri Valluru

Software Backend Developer

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## SUMMARY

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"Picture a world where creativity meets code, where data unveils its secrets, and where innovation is the norm. This is my world."

A dedicated professional with a powerful vision and blend of software development and data analysis skills. My journey is a relentless quest for knowledge and excellence, fueled by a deep passion for technology and a drive to create impactful solutions. I am seeking a role that offers opportunities for continuous learning and professional growth, where I can collaborate with cross-functional teams to develop cutting-edge solutions and make a tangible impact on the organization.

## SOFTWARE SKILLS

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Python | SQL | Power BI | Excel | Web Scraping | Statistical Analysis | Tableau | React | REST API | GIT Lab | PostgreSQL | Django | Django Rest Frameworks | HTML | CSS | TypeScript | JavaScript | MS Excel | MS Office | MATLAB | Qlik View |

## WORK EXPERIENCE

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02/2024 – present

### Software Full Stack Developer

Doc Align, Berlin

- Implemented backend functionalities with **MVC** architecture using **Python** and **Django** framework, improving database interaction speed by 20%.
- Developed frontend interfaces using **React**, **Angular** and **Material-UI**, resulting in intuitive and visually appealing responsive design interfaces.
- Integrated **Git** and **GitLab** for CI & CD, reducing code merge conflicts by 30%.
- Managed project tasks and workflows efficiently using Clickup, increasing team productivity by 15%.
- Implemented appropriate data architectures and design of **REST APIs**.
- Collaborated closely with cross-functional teams including UX/UI designers and product managers to translate requirements into technical solutions.

03/2022–10/2022

### Working Student

A&O hostels, Munich

- Performed data analysis using **Power BI** to create dashboards and addressed business problems enhancing data security.
- Proactively analysed data to provide valuable insights, supporting overall business planning and growth using **Python**, **SQL**, and **Excel**.
- Maintained and analyzed organization **KPIs**, contributing to a 15% improvement in project management efficiency.

06/2018 – 07/2019

### **Trainee Programmer /Analyst**

MPower Infrastructure Private Limited, India

- Utilized Microsoft Excel to manage and analyze large datasets, facilitating efficient decision-making processes and optimizing raw material utilization.
- Developed data-driven models using **Python** to predict and mitigate risks associated with supply chain disruptions, improving overall business resilience.
- Built and maintained **Django-based web applications** to streamline supply chain data tracking and reporting processes.
- Designed and optimized **SQL databases**, ensuring accurate storage, retrieval, and analysis of critical business data. Implemented basic logging and monitoring processes to track data flow and ensure smooth operations across supply chain systems.

## **EDUCATION**

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10/2019 – 09/2023

### **Masters: M.Sc. Applied Mathematics for Networks and Data Science**

Hochschule Mittweida (FH), Mittweida, Germany

- **Relevant Courses:** Blockchain Technology, Statistical analysis, Machine Learning, Computational Intelligence

Master Thesis

### **“Zero-Knowledge proofs in Blockchain Networks”**

08/2014 – 07/2018

### **Bachelors: B.Tech Computer Science**

Geethanjali college of Engineering and Technology, Hyderabad, India

- **Relevant Courses:** Database Management Systems, Data Structures, Software Engineering, Python.

## **CERTIFICATIONS**

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### **Databricks Lakehouse Fundamentals**

- Gained foundational knowledge on data engineering, data science, and machine learning on Databricks.

### **Google Data Analytics**

- Developed skills in data cleaning, analysis, and visualization using tools like SQL, R, and Tableau.

### **Data Analytics Consulting Virtual Internship, KPMG**

- Completed projects simulating real-world data analytics consulting scenarios, focusing on data insights and business strategy.

### **SQL for Data Science, Coursera**

- Learned SQL fundamentals and how to apply SQL for data analysis in real-world scenarios.

## **LANGUAGE SKILLS**

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English:

C1: Business fluent

German:

B1: Intermediate (Consider taking a certified language test for formal recognition)

Other:

Telugu, Hindi

