

DEEPESH DHANASEKAR

deepeshdevasekr@gmail.com • +91-9710142960 • Chennai, India

EDUCATION

Master of Science in Artificial Intelligence and Computer Science | Dubai, UAE

University of Birmingham

Expected Graduation: August 2025 Provisional percentage: 78%

Courses: Computer systems, AI programming, Data structures & Algorithms, Artificial Intelligence and Machine Learning

Bachelor of Technology in Mechanical Engineering | Chennai, India

VIT University

July 2019- July 2023 | Grade-Distinction

SKILLS

Technical Skills:

Programming: Python, SQL

Tools: Git, Docker, AWS (EC2, S3), Jira, Postman, Automation Anywhere, Snowflake, SigmaBI

Frameworks: Django, Flask, Pandas, NumPy, TensorFlow

Project Management : Agile, Scrum, Sprint Planning, Risk Management, Stakeholder Coordination

Other: REST APIs, OOP, CI/CD , Data Structures and Algorithms (DSA)

PROFESSIONAL EXPERIENCE

Business Intelligence Intern | *Copeland Corporation Middle East, Dubai*

April 2025 – Present

- Executed migration of business intelligence platforms from Domo BI to Sigma Computing, enhancing data visualization and reporting capabilities.
- Developed interactive dashboards using SQL and Python on Sigma Computing, sourcing and transforming data from Snowflake, and collaborating with teams in India and UAE to support data-driven decisions.
- Delivered over 30 reports in four months, including sales dashboards for India and MEA, production planning documents, and finance dashboards with AP/AR and gross profit metrics, optimizing inventory and manufacturing processes.
- Automated daily report generation by integrating Oracle with Snowflake, streamlining processes for efficient delivery to end users.
- Coordinated testing of Oracle integration with DP World's WMS software, ensuring completion within deadlines.
- Built data solutions from scratch, aligning with business needs to enhance user understanding and operational efficiency.
- Gained in-depth business process knowledge through networking, improving report accuracy and relevance.

PROJECTS

AI – Retail Sales conversation analyst

- Built an end to end solution pipeline in order to convert the conversations happening in a retail store to extract interesting insights to produce to the store manager as well as the organisation. Used Gen AI for analysing the transcribed audio and delivered a simple

AI-Powered Rental Management System

- Built a **Django backend** with OpenAI integration, automating tenant workflows and reducing manual errors by 90%.
- Utilized Pandas for real-time financial analytics and PostgreSQL for scalable data storage
- Enabled natural language commands for queries, such as retrieving tenant-specific or overall rental books, enhancing convenience..

Vendor Pricing Automation App using React Native and MySQL

- Developed a React Native app to automate vendor pricing, implementing efficient CRUD operations with a MySQL backend for real-time price management.
- Reduced manual effort with custom pricing algorithms and automated notifications for vendor responses.
- Managed the entire app lifecycle using Agile methodologies, improving response times.

LEADERSHIP EXPERIENCE

Student Representative | *University of Birmingham Dubai, UAE*

Sept '24 – present

Serving as key liaison for over 200 students, 10+ faculty, and administration, influencing curriculum decisions and advocating for student interests and academic environment enhancement .

Program Representative | *School of Mechanical Engineering, VIT, Chennai, India*

Jul '19 – Aug '22

Served as key liaison for over 400 students, 30+ faculty, and administration, influencing curriculum decisions and advocating for student interests and academic environment enhancement