Jashwanth Reddy Earla

jashwanthreddyearla@gmail.com • 514.216.7289
Jashwanth Reddy Earla | LinkedIn

SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems | Windows • Linux
Applications | Microsoft Office: Word • Excel• PowerPoint • Project• AutoCAD •SolidWorks • Visual Studio • GitHub
Programming|•C++ • C • Python • Html
Methodologies | Lean Engineering/Manufacturing, Six Sigma, DMAIC, Kaizen or Continuous Improvement • Python • Control Engineering • Project Management • Ishikawa Diagram.

EDUCATION

Master of Engineering Quality Systems Engineering **2023-2025**
Concordia University, Montreal, Quebec
Relevant coursework: Quality Methodologies, Adv. Statistics, Project Management.

Bachelor of Engineering, Mechanical **2017-2021**
Chaithanya Bharathi Institute of Technology, Medak, India
Executive Board member for Chaitanya Kreeda (sports club), Coordinator MECHANICA 2k21
Relevant coursework: Engineering Mathematics, Programming and Problem Solving, CFD, FEA, Thermodynamics, Machine Design, Production and Operations Management, Operations Research, Supply Chain Management.

WORK EXPERIENCE

Software Engineer
Hexagon, Hyderabad, IN **Aug 2022-Aug 2023**

- I am a member of a team which provides implementation software services for customers of Hexagon's PPM and Safety & Infrastructure divisions worldwide. Fixed the issues customer is facing that are related to SPF/SDx.

Skills & Core Competencies: SQL, DBMS, Critical thinking, Sales force, Teamwork.

Coordinator Mechanica logistics and Design
CBIT, Hyderabad, IN **Feb 2021-Mar 2021**

- Designed web application and Certificates and maintained travelling and logistics for the event.

Skills: Teamwork, Project Management.

PROJECTS

Determination of elastic strain energy caused by twinning using 2NN MEAM:

CBIT, Hyderabad, IN

- The primary aim of this work is to determine the impact of stress on twinning and validate derived twinning energy by using microstructural studies (SEM).
- Used Python with LAAMPS module for the simulation and analysis of twinning phenomenon.

Skills & Core Competencies: Python, SEM, LAAMPS, Molecular analysis, Problem assessment and analysis, Time Management.

Stellar Classification Using PCA and Machine Learning on the SDSS17 Dataset:

Concordia University, Montreal, QC

- This project delves into the classification of celestial objects, including stars, galaxies, and quasars, using the "Stellar Classification Dataset - SDSS17.
- Implemented PCA using python and classified stellar using different Machine Learning models.

Skills & Core Competencies: Python, Statistical models, Machine learning, Data Analysis, PCA (principal component analysis), GitHub.

Optimizing the resolution process for support incidents in IT industry:

Concordia University, Montreal, QC

- In this project we have used six sigma and Implemented the DMAIC (Define, Measure, Analyze, Improve, Control) methodology.
- With help of Six Sigma metrics and analysis using MS Excel we have come through potential solutions for the major Issues.

Skills & Core Competencies: Six Sigma, Quality management, MS Excel, DMAIC, fishbone.

Building a Community Centre in Montreal-Nord:

Concordia University, Montreal, QC

- Developed a business case and implemented project management methodologies (for a nonexistent project) like fishbone diagram and Time management to complete the project with minimal fluctuations.

Skills & Core Competencies: Project Management, MS Project, Time & Cost Management.