Pratikkumar Bhatu Chaudhari

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EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems — **New York,NY**
Master's of Science (M.S.) in Computer Science | **Concentration**: Artificial Intelligence | **GPA**: 3.7 — December 2022

Government College of Engineering — **Jalgaon, India**
Bachelor's of Engineering (B.E.) in Electrical Engineering | **GPA**: 7.02/10 — May 2017

RELEVANT COURSEWORK

Fundamental Computer Science using Java | Computer Systems and Concepts | Concepts and Structures in Internet Computing | Data Mining | Artificial Intelligence | Pattern Recognition | Algorithm and Computing Theory

TECHNICAL SKILLS

Programming Languages:	Python, SQL
Data Management Tools:	MySQL
Database Visualization Tools:	Tableau, Microsoft Excel
Data Mining Tools:	WEKA
Operating Systems:	Windows , MacOS
Certifications:	Python for Beginners (Udemy Certification 2020)

ACADEMIC PROJECTS

Data Analysis of Loan Approval Prediction Data by WEKA Software — Jun 2021 – Aug 2021

- Analyzed data on loan approvals using WEKA software to predict loan application results based on factors related to applicant's financial and personal information.
- Performed data processing techniques, such as NaiveBayes classification, regression, and clustering, to compare methodologies and dentified clustering as the optimal way to predict loan application results.

Reduction of Harmonics using Space Vector Pulse with Modulation — December 2016 – May 2017

- Studied harmonics, its causes, its effects and influences on the power systems and analyzed both the methods for harmonic reduction
- Simulated voltage source inverter (VSI) In MATLAB, first without any filtration technique to estimate the actual harmonic content then with harmonics reduction schemes and an FFT analysis to estimate %THD
- Oberserved total harmonic distortion with SVPWM and discovered it was less than that of a shunt active filter, thus concluding the method could increase the overall power efficiency of industrial machines

Maintenance of Electrical Lab — June 2016 – August 2016

- Maintained the Electrical Machine lab for including power supply and distribution and computing instrumentation and control systems
- Repaired the lamp banks by assessing and replacing wiring for testing purposes

EXPERIENCE

Honeywell Automation India Ltd, Maharashtra, India, Project Engineer — May 2018 – Sept 2019

- Developed the logic for a Distributed Control System (DCS) using DCS Control Builder R510.1 platform based on engineering inputs like P&I diagrams, IO assignment and control narratives
- Completed control loop testing on control builder using HMI Web display builder
- Completed input data validation, technical query identification and query generation to provide further data for the project
- Generated and validated controller database with engineering inputs for Safety Manager System(SMS)
- Built an application on Safety Builder using Functional Logic Diagram (FLD) where, if something goes wrong, the application automatically trips an alarm and shuts down the system.
- Designed control loops on safety managers programmable logic controller (PLC) for Emergency shut down (ESD), Fire alarm Gas System (FGS) applications based on engineering inputs like Cause and Effect (C&E) and control narratives

ICAP Automation, Maharashtra, India, Graduate in Trainee Engineer — Sept 2017 – May 2018

- Calibrated and tested of switches and transmitters including pressure, level, and temperature
- Developed logic for different control loops like pressure, flow, temperature on programmable logic controllers including ML 200 PLC (Honeywell) and Allen Bradley PLC