SANJAY R. CHANDLEKAR

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SKILLS

- Python
- Java / Advanced Java
- DBMS (SQL)

EDUCATION

Degree	Institute	Year	CGPA
MS	IIIT H	2022	9.33
B.Tech.	Nirma	2018	8.63
H.S.C.	GSEB	2014	99.7%
S.S.C.	GSEB	2012	99.8%

ACHIEVEMENTS

- Winner of PowerTAC 2021
- Gold Medalist in B.Tech. program
- Amul Vidhya-Bhooshan award for being a school-topper in H.S.C.
- Winner of the best poster award during IIIT H R&D showcase 2022
- Solved over 1000 problems in competitive coding
- Winner of drawing competition at school level

VOLUNTEER EXPERIENCE

To support computer literacy amongst underprivileged women for IEEE Women in Engineering.

LEADERSHIP

- Leading our team *VidyutVanika* in PowerTAC tournaments
- Technical Head of CodeAdda Club of Nirma University

INTERESTS

- Playing cricket and badminton
- Competitive coding
- Reading books, Travelling

WORK EXPERIENCE

TEACHING ASSISTANT | JAN 2022 – MAY 2022
Introduction to Game Theory, IIIT Hyderabad

TEACHING ASSISTANT | AUG 2021 – DEC 2021
Topics in Machine Learning (RL), IIIT Hyderabad

RESEARCHER | JULY 2018 – SEP 2020
TCS Innovation Labs, Hyderabad
Designed autonomous agents for a real-world smart grid simulation (PowerTAC). In PowerTAC, multiple broker agents compete for a shared electricity pool and customer base. Our goal is to design a broker agent with suitable strategies (mainly RL) in the wholesale, tariff and balancing market to achieve a healthy cash position.

RESEARCH INTERN | JAN 2018 – MAY 2018
TCS Innovation Labs, Hyderabad
Implemented strategies for autonomous agents that place bids in an electricity market on behalf of an electricity generating company to sell power in open markets using techniques derived from RL.

PROJECTS

VIDYUTVANIKA - POWERTAC (JAVA, PYTHON)|2019–22

RESUME CLASSIFIER (PYTHON) |MAY – JUNE 2017
A machine learning project that identifies for which position the candidate has applied based on a resume. We tried several classification techniques and finalized the one with the best accuracy.

SEARCH ENGINE (PYTHON) | JULY 2017 – DEC 2017
A machine learning project implemented using Django framework to find queried web pages in university domain using NLP techniques and web-crawling and web-searching.

PUBLICATIONS

1. VidyutVanika21: An Autonomous Intelligent Broker for Smart-grids. Vienna, Austria. IJCAI'22
2. Multi-unit Double Auctions: Equilibrium Analysis and Bidding Strategy using DDPG in Smart-grids. Auckland, NZ. AAMAS'22
3. VidyutVanika: AI-Based Autonomous Broker for Smart grids - From Theory to Practice. Springer Book Chapter. Under Review
4. VidyutVanika: An Autonomous Broker Agent for Smart Grid Environment. Cologne, Germany. PASS Workshop'19