

Ankush Menat

SOFTWARE ENGINEER

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Summary

An ambitious result-driven engineer, lifelong learner, generalist and a programmer with ability to quickly adapt to new fields. I recently switched to computer science and my core areas of interest are software engineering, data science and HPC.

Work Experience

Frappe Technologies Pvt Ltd

Remote / Mumbai

SOFTWARE ENGINEER

Jan. 2021 - Present

- ERPNext is world's leading 100% Free and Open Source ERP system.
- Technologies: Python, JavaScript, SQL, MariaDB, Frappe framework

Godrej Precision Engineering - Godrej & Boyce

Vikhroli, Mumbai

SR. EXECUTIVE - ESTIMATION ENGINEER (MECHANICAL)

Aug. 2016 - Jan. 2021

- Responsible for estimating cost of multi-million dollar projects in Nuclear power and Defense sector. Customers include Indian defense organizations, Department of Atomic Energy and International organizations like Thales, Alstom and Israeli defense contractors.
- Improvements:
 - Implementation of Monte Carlo simulations for quantitative risk assessment and competitive bidding.
 - Automatic data extraction from 3D CAD data using VBA scripts.
 - Statistical analysis on cost data for creation of Cost Estimation Relationships (CERs)
 - Training the team and new members on Advance Excel uses.
 - Overall improvements resulted in saving of thousands of manhours every year.

SciTech Centre, ACG Worldwide

Jogeshwari, Mumbai

MECHANICAL DESIGN ENGINEER (INTERN)

June 2014 - Nov. 2014

- Worked with team of experienced mechanical engineers and designers on development of PROTAB tablet press machine.
- *Project:* Design of doors with locking gas spring for PROTAB machine, modelling of aesthetic sheet metal covers for PROTAB machine.

Total Tools and Equipment Pvt Ltd.

Andheri, Mumbai

MECHANICAL ENGINEER (INTERN)

Dec. 2015 - May. 2016

- Performed various data management tasks in ERP system, automated mundane work using macros.
- *Project:* Custom SQL reports for analysis of slow moving inventory and process for handling it.

Skills

Programming Python, C++, JavaScript, SQL, Shell, HTML/CSS (from highest to lowest proficiency)

Technologies Python: NumPy, Pandas, Flask; JavaScript: Express; CSS: Bootstrap

Tools GNU/Linux CLI, (Neo)Vim, Git/GitHub, L^AT_EX, spreadsheets

Languages English, Gujarati, Hindi and Marathi (elementary)

Mechanical Engg. Cost Estimation, Manufacturing processes, Design, SolidWorks (CSWA), Autodesk Inventor, CAD automation

Education

BSc (Hons) Computer Science

London, UK (Online)

UNIVERSITY OF LONDON VIA COURSERA

2019 - 2022 (expected)

- Online degree in computer science with hundreds of diverse students spread around the world in more than 120 countries.
- Organized Journal Club where students read and discuss technical research papers in computing.
- Key projects: Simple crypto trading bot (C++), DJ GUI application (C++)

Diploma in Mechanical Engineering

Vile Parle, Mumbai

SHRI BHAGUBHAI MAFATLAL POLYTECHNIC

Aug. 2012 - June 2016

- 4 year Diploma with 1 year of internship in Industry. Equivalent or better than Associate's degree in Mechanical engineering.

Online Courses

I have long history and commitment to self-learning. Following are few of the courses I've taken, I have audited many more MOOCs to expand my skillset, not all of them are listed here.

2014	LFS101x , Introduction to Linux from Linux Foundation	EdX
2015	6.00.1x , Introduction to Computer Science and Programming Using Python from MIT	EdX
2016	CS50x , Introduction to Computer Science from Harvard University	EdX
2016	Machine Learning , Introductory course in machine learning by Prof. Andrew Ng from Stanford University	Coursera
2019	Google IT Support Professional , Professional certificate course in IT support by Google	Coursera
2020	Data Structures & Algorithms Nanodegree , Program on data structures & algorithms using Python	Udacity