

AASTHA PARMAR, MS

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SUMMARY

Software Engineer with over 3+ years of experience in software development and machine learning, proficient in Python, C++, C#. Holds an MBA in IT and an MSc in Computer Science, with a solid foundation in data science, analytics, and software development. Demonstrated ability to learn new domains and technologies swiftly, applying innovative thinking to solve complex science and engineering challenges.

Key Skills

1) Python 2) Data Science 3) Machine Learning 4) Software Development 5) Machine Learning Techniques
6) Analytics 7) Statistical Analysis

EDUCATION

University of Mumbai

May 2021 - June 2023

Master's, Computer Science

- Here we learned Advanced Database systems, Along with new Technologies like Python, Machine learning, Deep learning, Natural Language Processing, Web3 Technologies
- Build a lot of projects including Full stack for complex needs we used GPU available to train algorithms
- After this used tools like Matplotlib, seaborn to visualize the progress of the algorithms
- In Cybersecurity worked on Virtual Machine associated with Kali Linux to perform various practicals

Narsee Monjee Institute of Management Studies

July 2021 - December 2023

MBA, Information Technology and Systems Management

- Learned Business Communication, Information System for managers, Organizational Behavior, Decision Science which was based on Statistics, Strategic Management, E-business, IoT, Big data and Business analytics, IT project management, security and risk management, Research Methodology, Business ethics.

KJ Somaiya College

May 2017 - October 2020

Bachelor's, Information Technology

- Learned the basic fundamentals of Programming, including Data Structures and Algorithms
- Learned about various technologies and explored a few domains including ML, DL, AI
- Completed a few internships in this tenure for application based learning

CERTIFICATIONS

Mastering Data Science and Machine Learning Fundamentals, Udemy

Deep Learning specialization, Coursera

Convolutional Neural Networks, Coursera

Crash Course on Python, Coursera

Building Web Applications in Django, Coursera

PROFESSIONAL EXPERIENCE

ITM

Mumbai, Maharashtra, India

Software Engineer

August 2022 - Present

- Proficient in complex requirement gathering, creating technical design documents, and solving intricate problems.
- Skilled in writing clean code, testing rigorously, and fostering effective collaboration.
- Demonstrated adaptability with new technologies and a commitment to continuous growth.
- Focused on eliminating vulnerabilities through strategic remediation efforts.
- Worked on Technologies like Python, C#, Delphi, C++, MySQL, .Net, Pascal, AWS etc
- Experience in jQuery, JavaScript Bootstrap for Frontend technologies

Tata Consultancy services

Mumbai, Maharashtra, India

Developer

January 2021 - July 2022

- Started as Trainee in software development, learned and completed various certifications in the journey of learning.
- Led initiatives in data cleaning, structured with Talend/Python/Power BI for integrity, designed efficient pipelines, and translated business needs into enhanced data visualization.
- With exposure to complex datasets, I have led initiatives of scripting with Python, leading to fast and easy processing.
- Excelled in QA, ensuring software reliability via rigorous testing, defect identification, process optimization, and maintaining high standards for client satisfaction.

- Proven track record of collaborating with cross-functional teams to troubleshoot and resolve complex technical issues using new techniques
- Dedicated to staying up-to-date with industry trends and continuously enhancing skills through self-learning and attending workshops/conferences

Eduvance

Remote

Machine Learning Intern

September 2020 - December 2020

- Contributed to the development of deep learning models for object recognition, and innovated by creating an additional model to minimize training data requirements for specific classification models.
- Worked on Computer Vision, Open CV, YOLO algorithm in Python with the help of various libraries like tensorflow, keras, openCV, numpy etc.

KJ Somaiya College of Engineering

Remote

Machine Learning Intern

July 2020 - December 2020

- Utilized Machine Learning technologies to develop predictive models for Covid-19 symptoms.
- Build applications in the form of Chatbots etc.
- Used Deep learning, Machine Learning models using Python and deployed on various platforms

Research Innovation Incubation Design Laboratory Foundation (riidl)

Mumbai, Maharashtra, India

Public Representative executive

August 2018 - January 2019

- Engaged as a PR executive for Maker Mela, an international event uniting global
- Makers to exhibit their talents.
- Responsibilities included college outreach for
- invitations and scouting diverse Makers across the city.

PROJECTS & OUTSIDE EXPERIENCE

The D's App

Mumbai, Maharashtra, India

August 2019 - February 2020

- Envisioning a future where machines excel in various roles, even doctors introducing an application that predicts diabetic prescriptions using patient parameters, offering potential healthcare support to underserved areas
- This App is now used by Dr. Asrani who provided the necessary data for creating the application
- [Link to project](#)

Heart Failure Prediction

August 2020 - August 2020

- The model uses Naive Bayes Algorithm to predict risk of heart failure.
- The data that it need for prediction is Age, Anemic or not, Diabetic or not, Percentage of blood leaving the heart on contraction, follow up period and level of serum sodium in blood.
- [Link to project](#)

Autonomous Drone Navigation

February 2023 - July 2023

- Designed an autonomous drone capable of independent navigation to predetermined destinations
- This Drone Navigation had its own set of battery back up, along with processor and Sensors and camera Recording
- Built prototypes, for enhanced planning and execution, the software connected used localization to customize requirements

SKILLS

Skills: Python NLTK, Agile, ASP.NET, C#, Canva, Computer Vision, Data Science, Data Structures & Algorithms, Flask, Flutter, Heroku, jQuery, Jupyter, Keras, MySQL, Natural Language Processing (NLP), .NET, NumPy, OpenCV, Pandas, Power BI, PowerShell, Public Speaking, Snowflake, SQL, Talend, Tensorflow, Wordpress, HTML/CSS, Python, IOT, Hardware, Communication Skills, REST APIs, SQL, Postgres, Snowflake, Artificial Intelligence, Regression, Data Mining, Clustering, Advanced Analytics, Data Pipeline, NoSQL

Languages: Hindi, Marathi, Gujarati