MAYUKH MUKHOPADHYAY

Data Consultant

✉ mayukhdifferent@gmail.com   📍 Kolkata, India   in mayukhpsm   🐦 @mayukhdifferent   🔗 mayukhpsm.github.io

EXPERIENCE

Solution Designer
BT Data

📅 Aug 2010 – Ongoing   ⟨⟩ Hadoop, Python, PL-SQL

- Currently designing terraform based solutions for migrating legacy datapipelines into Google Cloud Platform.
- Productionized complex hadoop-as-a-service data pipeline to integrate with reconciliation workflow that mitigates a revenue leakage of upto $250 million per financial year.
- Implemented storage compaction on Hadoop based data pipeline to increase data density by 300% in Enterprise Data-Lake.

Assistant Consultant
Tata Consultancy Services

📅 Mar 2010 – Ongoing   ⟨⟩ Data Mining, Inventory Optimization

- Developed customized reports for CXOs that used topic modeling (LDA) on customer review content to highlight pain-points.
- Productionized analytical models to predict BT-Fleet Inventory using Market Basket Analysis and multi echelon inventory optimization.

PUBLICATION AND CASE-STUDY

Market Microstructure of Non Fungible Tokens
⚷ DOI: 10.48550/arXiv.2112.03172   ⟨⟩ Scopus ID 2-s2.0-85121409715

- This article discusses the NFT market microstructure, with a focus on price formation, market structure, transparency, and applications to other financial areas

A Curious Case of Cryptokick
⚷ DOI: 10.2139/ssrn.3656147   ⟨⟩ Scopus ID 2-s2.0-85109409403

- A Case study on how Blockchain and Non fungible tokens is helping Nike, a shoe company, in the fight against counterfeit
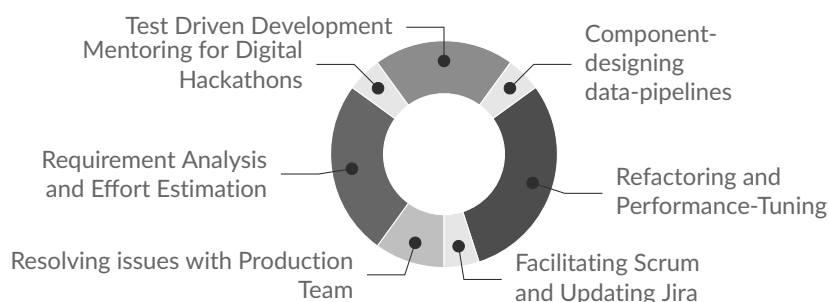
Ethereum Smart Contract Development
⚷ ISBN 9781788473040   ⟨⟩ Packt Publishing, UK

- Introductory textbook on Blockchain and Smart Contracts that has been prescribed as reference by City University of Hong Kong for CS4389 (Decentralized Applications Development)

A WORK DAY OF MY LIFE

Test Driven Development Mentoring for Digital Hackathons · Component-designing data-pipelines · Requirement Analysis and Effort Estimation · Refactoring and Performance-Tuning · Resolving issues with Production Team · Facilitating Scrum and Updating Jira

PROFILE SUMMARY

"Data Consultant experienced in Revenue Assurance, GDPR and Strategic Migration projects."

ACHIEVEMENTS

🏆 **Award**
2021 - Special Achievement Award for Agile Revenue Assurance

🎤 **Guest Lecture**
2020 - Invited to speak on Enterprise Data Lake by Google Accelerator Startup Antwak.

🎓 **Academic Publishing**
2018 - Authored Book on Ethereum Blockchain and Smart Contract with Packt Publishing UK that got archived by Stanford University Library.

CERTIFICATIONS

Azure Solution Architect Expert

Google Cloud Professional Data Engineer
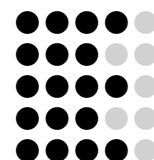
Professional Scrum Master I

TECHNICAL SKILLS

Hive, Pig, Sqoop
PL/SQL, Bash
Python, Gitlab, Jira
Ethereum Smart Contract
Solidity

EDUCATION

Doctoral Student (Industry track)
IIM Indore (AACSB-AMBA-EQUIS), India
📅 2022 – Pursuing

Executive MBA
IIT Kharagpur, India (CGPA 8.82/10)
📅 2018 – 2021   ⟨⟩ Kharagpur, India

MEngg (Software Engineering)
Jadavpur University, India (CGPA 7.59/10)
📅 2013 – 2016

BTech (ECE)
WBUT, India (CGPA 8.85/10)
📅 2005 – 2009

Class 10 & 12 (Pure Science)
Kendriya Vidyalaya, India (86.6% & 84%)
📅 2003 – 2005