Sainath Sabale

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EDUCATION

- **Pune Vidyarthi Griha's College of Engineering** — Nashik, India
  Bachelor of Engineering - Information Technology; CGPA: 7.49 — *Jan 2020 - June 2024*
  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

SKILLS SUMMARY

- **Languages**: Python, SQL, C++, Solidity
- **Frameworks**: Pandas, Tensorflow, Matplotlib, Seaborn, NumPy
- **Tools**: Excel, PowerBI, MySQL, SQLite, MongoDB
- **Platforms**: Linux, Windows, AWS, Tableau, Project Jupyter
- **Soft Skills**: Leadership, Event Management, Writing, Public Speaking, Time Management

EXPERIENCE

- **TechnoHacks EduTech Pvt Ltd** — Hybrid
  Python Developer Intern — *Feb 2023 - Aug 2023*
  - **Project:** : ATM machine software using python
  - **Description**: I worked as a Python Developer Intern and Group Leader at TechnoHacks EduTech. Here, I successfully led a team to design a secure, user-friendly ATM machine software using Python. My problem-solving skill helped overcome technical challenges while ensuring that the project was on time and within budget. Under effective leadership and teamwork, I maintained a productive team environment and mentored colleagues on best practices in Python programming and software development. This helped to develop technical expertise while developing high-level leadership skills, thus making me a complete python developer.

PROJECTS

- **Exploratory Data Analysis on IPL dataset**: This project was aimed towards seeking deep analysis of Indian Premier League using data with the use of Python. Techniques in exploratory data analysis, statistical methods, and machine learning algorithms were targeted for this in order to identify critical factors influencing match outcomes, player performance, and team dynamics. Tech: Python, Pandas, Matplotlib, Seaborn

- **Student Result Analysis:** : Our data-driven result analysis system for students helps the educator take higher-level decisions and improve student outcomes. It changes the face of any educational institution's performance evaluation and assistance to students through the trends found in a given performance result and the identification of at-risk students, with recommendations personalized to improve their conditions further. Tech: Python, Seaborn, Pandas

- **Smart Contract Enabled Online Examination System Using Blockchain Technology**: Our online examination system, with technology backed by blockchain, transforms the entire scenario of taking assessments. This allows us to address all issues involved with traditional examinations, including cheating and tampering with the result, as well as a lack of trust, through smart contracts. Tech: Ethereum, Blockchain, Solidity

- **SQL for Data Analysis using Pizza Hut Dataset**: Pizza Hut sales data can be analyzed against the company framework using SQL, gaining insight into customer preferences, sales trends, and performance of operations. The main recommendation would help in describing ways and opportunities for improvement to optimize business strategies.

- **Pollution Control by Identifying Potential Land for Afforestation**: Identify areas suitable for afforestation purposes to combat pollution and enhance environmental conditions. The project will use geospatial data and analysis techniques in assessing the possibility of land parcels to be afforested as a possible solution toward a reduction of the effects on air quality, water pollution, and biodiversity.

PUBLICATIONS

- **Research Paper: Decentralized Assess: Enhancing Online Assessment Security With Secure Examchain**: This research paper introduces a decentralized online assessment system, named Secure Examchain, aimed to enhance security and transparency in education via blockchain technology and smart contracts. Secure Examchain is supposed to handle challenges associated with online assessments in general and cheating as well as result tampering in specific. For the context, this paper proposed the methodology to develop and evaluate Secure Examchain with potential benefits.

CERTIFICATIONS

- The complete python bootcamp from Zero to Hero (Udemy)
- SQL projects for beginners (Great Learning)
- Network Security (Mindluster)