Prof. Drusti Shastri

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CAREER OBJECTIVE:

To begin my lecturer career at a highly-reputed and eminent educational institute and to gain exceptional career move ahead through long efforts and performance regularity , that offers me professional growth, being resourceful, flexible and innovative.

EDUCATIONAL QUALIFICATION:

MCA(Master of Computer Application) from Gulbaraga University, Kalburagi with Aggregate of 74.23% in 2022-2023.

BSC(CS) from JSS SMI UG AND PG Studies vidyagiri, Dharwad with Aggregate of 73% in 2018-2021

Pre University in Medha PU Science college Hubli with 74.23% from Pre-University Board Karnataka, during the period 2018.

SSLC in ST Antony's Public School Hubli. with 7.0 CGPA from Central Board of ssSecondary Education,Delhi, during 2016.

PROFESSIONAL EXPERIENCE:

Institute: Bapuji Institute of Engineering and Technology
Designation: Assistant Professor
Experience: Assistant Professor from December 2023 to till date in the department of CS & E

EXTRACURRICULAR ACTIVITIES:

During Internship, completed project with outstanding Performance and exceptional
commitment to team work in BEL, Bangalore.
Technical Department head in College Fest (Chakravyuh 2019).
Participated intercollege fest.

STRENGTHS

Positive thinking
Adopt myself to the new environment.
Quick learning, confidence, determinant.
If any task assign would like to take up the responsibility.
Commitment to collaboration and teamwork.
Self-initiator and propagator, Adaptability, Work ethic.
Time Management, Attention to detail.

ACADEMIC PROJECTS

In MCA(Master Computer Application):

Project Title: **A Blockchain Approach to Ensuring Provenance to Outsourced Cloud Data in a Sharing Ecosystem.**

Cloud servers offer data owners the opportunity to upload and store encrypted data that several data users can access. However, after outsourcing data to the cloud, data owners have limited control of their data, and external systems are incorporated to manage it Several research-based solutions use encryption techniques to prevent unauthorized access to the data but ignore the challenge of maintaining the trace of valid changes applied to the data. Provenance data can be used to ascertain the integrity of data and, therefore, should be immutable and secured from adversaries since it contains private information. This article proposes an efficient way of securing access logs by leveraging blockchain. A generic framework is designed, tested, and evaluated, with results showing our model can effectively enhance the security of provenance data. This work considers two categories of data users and account for the distinct roles and permitted actions on the outsourced data. In summary, this work ensures that the data is trustworthy, and verification and management of the outsourced data are assured. Experimental results illustrate the efficiency and scalability of our solution.

- Finally I conclude that, Experiment results indicate the efficiency and scalability based on the performance of our proposed solution.
- The system defines and implement a blockchain framework for achieving provenance in a data-sharing ecosystem based on an on-chain and off-chain process categorization.
- The system highlights a data owner’s ability to maintain control of an outsourced data.
- This process is achieved by ensuring that all modification on the data is

validated with consent from the data owner based on access policies specifying actions that are applied to the data.

- The system presents a blockchain data view which highlights a tamper-proof log in achieving traceability through the aggregation of transactions on the data which form part of event logs.
- The system presents a performance evaluation and analysis of the system on a proof-of- concept Ethereum blockchain affirming the feasibility of implementation of the proposed solution.
- The proposed model provides insight into the structure and generation of blocks in a blockchain network classified under views.
- This structure enhances the visibility and traceability of provenance logs in the provenance system.
- Data provenance and management system: The data provenance and management system directly interact with the data source and the data stakeholders.

IN INTERNSHIP:

Project Title: **Non–Employee Duty Pass System(NEDP)**

- NEDP system previously had few of the modules which was only used for registration purpose. This project is an efficient application which reduces the manual work and stores all the details in the database without losing any data and automate the whole process of vendor management, contracts, contract employee and approval process. Vendors are the main user who create contracts and hire the employees based on the requirements in a contract and employee registration details.
- The employees use the application to register for the NEDP, and the vendor handles the registration. Each vendor logs into the application with the necessary information and registers the personnel. The coordinator and subsequently the HOD should both approve each vendor's process. Once they do, the operator and the in charge of that company will approve the vendor information. Any changes or additions to the details cannot be made during the approval or rejection process.
- Payments are only made in situations when an employee has suffered loss or damage, requested an extension of time, or involved a transfer. In these circumstances, they must once more submit a request to the relevant authority for approval, follow the registration process, pay the appropriate fees, and then pick up the NED pass when it is due. The admin will schedule the card issue date for the employee to pick up the NED pass once they have all given their approval.
- The NEDP web application provides a platform for the vendors and employees of the ONGC company collaborating with other Government

Companies to work on projects on a contract basis. The project developed and is under maintenance for 5 years. The requirements are taken and those modules are added into the project respectively. According to the requirements given the application is modified and built.

TECHNICAL SKILLS:

Programming language:
Java, J2EE, Web Technology [HTML, CSS,SQL,DATABASE].
Persistant Technology: JDBC
Database: MYSQL, PHP
WebTechnologies.
Tools: MYSQL, Eclipse, Oracle.
OS: Windows and Linux.

TECHNICAL SUMMARY:

JAVA:
Good Knowledge of oops, like Abstraction, Encapsulation, Polymorphism, inheritance.
Good Knowledge of Strings singleton design pattern and java bean.
Good practical Knowledge of collections frames works and data structures like Lists, Set, Map, Queues, etc.
Implemented custom sorting using comparable and comparator.
Good Understanding of File Handling IO and serialization.
J2EE
Hibernate
Spring
SQL

DRUSTI S SHASTRI
PROFESSOR
DEPARTMENT OF CS&E