Anchit Sajal Dhar
Date of Birth: 12th Aug, 1983
Email ID: sajal76in@gmail.com
Phone No: +91 9455622441

Linkedin: https://www.linkedin.com/in/anchit-dhar-b12960a3/
Github: https://github.com/AnchitSajalDhar
Tableau:https://public.tableau.com/app/profile/anchit.sajal.dhar#!/?newProfile=&activeTab=0
Google Scholar:https://scholar.google.co.in/citations?view_op=list_works&hl=en&hl=en&user=akBO3ywAAAAJ

Asst Professor |Microsoft Azure Certified| Data Science Professional| Researcher| Team Lead

PROFESSIONAL EXPERIENCE

Assistant Professor, **2010 to Present**
Department of Computer Science & IT, VIAET, SHUATS.

The Sam Higginbottom University of Agriculture, Technology and Sciences (SHUATS) is established under U.P. Act No. 35 of 2016, as passed by the Uttar Pradesh Legislature. It seeks to be a national centre of professional excellence in education and service to the people with the participation of students and faculty members from all over India.

PGT Computer Science, **2008 to 2010**
YMCA Centenary School & College

The YMCA Centenary School and College a co-ed English Medium School It is one of the most renowned educational institutions of Prayagraj.

Software Engineer, **Aug-2008 to Nov-2008**
Microware Corp New Delhi

Microware, with over two decades of relevant experience, has engaged extensively across three primary thematic areas, other than regular IT ERP systems.

Project Trainee , **Jan-2008 to July-2008**
MothersonSumi INfotech and Designs Ltd. (MIND)New Delhi

a next-generation global technology solutions company, was born for this pioneering era. The company was founded in 2000 with the goal of assisting companies to expedite their digital and technological transformation processes. As an SEI CMMI Level 5 company, the company have delivered best-in-class solutions to more than 430+ customers in 41+ global locations across all continents.

Working as Assistant Professor and a Team Lead of in house software development team in Department of Computer Science and Information Technology, imparting knowledge, creating virtual corporate work environment for skill development, developing complex python applications, understanding the requirements and formulating the solution for the software development.

Role and Responsibilities

Teaching Assignments:

- Conducting theoretical and practical sessions in UG, PG and Ph.D.
- Educate students according to the guidelines provided by the University.
- Ensuring high standards of professional practice, quality of teaching and learning of the subject(s) through effective learning materials, class tests, assignments etc.
- Subjects taught: Data Structure , Python Programming, Machine Learning, Data base ,Distributed Systems, etc.

Software Development:

- Written code, designed to abide by the standards of object-oriented programming.
- Developed software using C#, implementing pure OOP concepts.
- Implemented machine learning techniques using python
- Evaluated and inspected code written by other trainee/students for quality assurance and for advising on how to improve code efficiency.
- Bug fixing and supporting existing software.
- Tracked project financial metrics such as related purchasing, invoice distribution and accounts receivable

Additional Responsibilities Executed:

- Team Lead for in-house software development team.
- Exam Committee Member, VIAET
- Experiential Learning Program Head, Network Committee Member SHUATS.
- Lab-Incharge Department of CS&IT.
- Software Development Team, SHUATS.
- Member of Syllabus Revision Committee of UTTAR PRADESH Education Board Class 6-8 Subject Science

TECHNICAL SKILLS

Operating system	: Windows Family and Linux (Ubuntu).
Programming Languages/Tools	: C, Python.
Cloud IDE	: AZUREML STUDIO
Python Libraries	: NumPy, Pandas, Matplotlib, Seaborn, Sklearn.
Software Tool/IDE	: Spyder, Jupyter, Vs-Code, PL-SQL Developer, Tableau
Database	: MYSQL,SQL server 2012, Oracle 9i, Oracle 10 g Express edition MS SQL Server-2019.

RESEARCH & PROJECTS

- **"Analysing and Predicting Algorithm for social network analysis using graph based mining techniques in disease outbreak" -** Intelligent approach for predicting Diseases whether building a model to help the Doctor or even preventing its spread in an area Worldwide, is accumulative day by day. Here we present a noble approach to predict the disease prone area using the power of text analysis tweet download obtained for a specific time span based on twitter search criteria "malaria" ,"dengue" , "chikunguniya" and "measeles" and alike epidemic outbreak in India.

  Team size : 2
  Technology : Machine Learning approach using Python (ubuntu).
  Input : Twitter Data contains 2,588,570 Records .

  URL: http://journalstd.com/gallery/83-oct2019.pdf

- **"Workload Prediction Model for Autonomic Scaling of Cloud Resources with Machine Learning" –**Cloud computing enables clients with on-demand access to software, platform, and infrastructure, in the form of services through the Internet. Client applications are executed over the cloud which is backed by Virtual Machines (VMs) and these VMs are hosted on top of physical servers. The amount of workload traffic received by the cloud changes over time. To fulfil these fluctuating workload needs, VMs must be automatically scaled up and down to guarantee that the quality of service (QoS) to the client is maintained, which, in turn, must be achieved by ensuring that the Service-Level Agreement (SLA) criteria are not breached. To achieve this goal of automatic scaling (also known as auto-scaling), the important task is to predict the future workload demands for cloud resources so that appropriate numbers of VMs must be made ready in advance so that the requirements of clients are met. The prediction is done on the basis of the past resource usage trends. In this paper, we propose an autonomic

  Team size : 3

  Technology : Cloud Computing, Cloud Storage, Machine Learning using python

  URL:https://books.google.co.in/books?hl=en&lr=&id=BAGiEAAAQBAJ&oi=fnd&pg=PA343&ots=k58VEsMN4D&sig=Q2TOYYrBSY6KfpLw1bXlszOEW58#v=onepage&q&f=false

- **Database Schema Matching Approach in a Homogenous Distributed Database –** Schema matching is one of the critical step and a basic problem in many database domains such as database integrity and semantic query processing. In the current and normal scenario the matching procedure is generally done manually which is quite time consuming and has numerous issues. In this paper we suggest an automated approach which can distinguish differences between two databases on schema-level, structure level and on constraint level in a homogenous distributed database based on SQL Server.

  Team size : 3
  Technology : SQL server, Database
  URL : https://www.researchgate.net/profile/Wilson-Jeberson/publication/303842579_Database_Schema_Matching_Approach_in_a_Homogenous_Distributed_Database/links/5757d39408aef6cbe35f5c1d/Database-Schema-Matching-Approach-in-a-Homogenous-Distributed-Database.pdf

- **Machine Learning based Workload Prediction for Auto-scaling Cloud Applications–**

Cloud computing is a ubiquitous computing paradigm that offers its users access to software, platforms, and infrastructure as services, on-demand, over the Internet. User requests for these services (also known as workload) are placed over Virtual Machines (VMs) for execution. These VMs are hosted over Physical Machines (PMs) to abstract processing capabilities of these PMs. Over a period, Cloud services experience fluctuations in the workload pattern. To match the resources required for serving the varying workload, VMs must be added or removed autonomically as performing the same task manually is inefficient. Moreover, VMs take some fraction of time to be setup before they can be used. The goal behind automatic scale-up and scale-down operations is to ensure that the Service Level Agreement (SLA) between the cloud service provider and cloud client is upheld and cloud users experience acceptable …

Team size : 3
Technology : Cloud Computing, Cloud Storage, Machine Learning using python
URL: https://ieeexplore.ieee.org/abstract/document/10114033

- **Image Processing for Bird Watching using tensorflow** – AMS This tool is developed for people who are interested in bird watching. The tool takes a image of a bird and the using the image processing the species and bird is predicted.

  Team size : 3
  Role : To design algorithm, code functions and modules.
  Technology : Python, Tenserflow, Kearas.

- **"AG PROS - Agricultural Production System" [*to be proposed*] –** AG PROS will help the Indian farmers to increase the crop yield by predicting and monitoring the crop growth with respect to the surrounding environmental variables using sensor based system implemented over the concepts of machine learning. This project is intended to be funded externally through Government Agencies.

  Team size : 3
  Role : Principal Investigator .
  Technology : Python, Android, LiDar, Tableua, IOT.
  Input : Sensor based.

EDUCATION

Qualification	College/ University	Year	%/ CGPA
M.Tech (CSE)	SHIATS, Allahabad, India	2014	09.38
M.C.A	UPTU, India	2008	67.00%
B.C.A	AAIDU, Allahabad,India	2004	07.2
XII	St. Josephs College , Allahabad, India	2001	62 %
X	St. Josephs College , Allahabad, India	1999	66%

RELEVANT COURSES AND CERTIFIEDS

- Microsoft Azure Certified AZ900.
- Edureka Certified Python for Data Science Professional
- Edureka Certified Python Statistics for Data Science Course
- Edureka Certified R Statistics for Data Science Course
- Edureka Certified SQL Essentials Training & Certification
- Microsoft Azure Machine Learning DP-100 Course from Udemy.

EXTRA CURRICULAR ACHIEVEMENTS

- Hosted one month summer training with collaboration with Microsoft authorized training partner for three consecutive years
- Participated in IEEE National Conference as a core committee member.
- Published more than 10 research papers in National & International Journals
- Received 3 times best research paper award.

ADDITIONAL INFORMATION

- English, Hindi
- Hobbies include reading listening music, playing chess, gadgets, moderate running/jogging.

SELF DECLARATION

I hereby declare that the above particulars of facts and information stated are correct to the best of my belief and knowledge.

Date: Name: Anchit Sajal Dhar

Place: Signature: