

Shrutika Ithape

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EDUCATION

National Institute of Technology Goa

Master of Technology in Computer Science and Engineering(9.11 cgpa)

Goa

Sept. 2021 – July 2023

Institute for Advanced Computing and Software Development

PG Diploma in Advanced Computing (Masters's Degree)(71.83%)

Akurdi, Pune

May 2021 – Sept. 2021

Samarth Engineering College

Bachelor of Technology(Bachelor's Degree) in Computer Engineering(8.07 cgpa)

Belhe, Pune

Aug. 2015 – July 2019

EXPERIENCE

Systems Development Engineer Intern

Dell Technologies

Bangalore,Karnataka

July 2022 – May 2023

- Crafted inventive solutions for products and services at Dell for 3 products.
- Executed testing and validation of systems to guarantee compliance with quality standards and performance requisites contributing to a 15% improvement in overall system efficiency.
- Developed and maintained 100% technical documentation for systems, processes, and solutions, ensuring seamless knowledge transfer.
- Spearheaded the implementation of software and serviceability life cycle strategies, resulting in a 20% reduction in product defects

TECHNICAL SKILLS

Languages: C/C++, Python, R, java

Scripting Languages: Javascript, Python

Operating Systems: Windows, Linux

Developer Tools: GitHub, VS Code, Visual Studio, Jira

Data Visualization: Tableau, Power BI

Libraries: Pandas, NumPy, Matplotlib, Tensorflow, PyTorch, tkinter, Keras, scikit-learn

Course Work: Data Structures, Deep Neural Network, RNN, CNN, NLP, Data Science, Deep Learning, Statistics, Data Mining, Cryptography, Cyber Security, Information Security

Relational Database: MySQL,Microsoft SQL Server

Soft Skill: Leadership, Communication

PROJECTS

Identification of Encryption Algorithm for block ciphers using machine learning model

| Python, DNN, Random Forest, Information Security

Aug. 2022 – July 2023

- Identified the encryption algorithm for 4 block ciphers and they are ECB, CBC, CFB, and OFB.
- Utilized diverse encryption algorithms for data encryption, employing a Deep Neural Network and Random Forest for identification.

Storage wastage prevention and Increased security in Cloud.

| Java, Cloud computing

July 2018 – June 2019

- Proposed a practical scheme to manage the encrypted big data in cloud with deduplication based on owenrahip challenge.
- Implemented the robust AES and MD5 encryption algorithms for enhanced data security.

Rent it Appication

| Flutter

March 2022 – july 2022

- Engineered an online book rental application, leveraging Flutter for the front end and harnessing the power of Google Firebase as the backend infrastructure.

Freelancing Website

| JSP

May 2021 – Sept. 2021

- Designed a user-friendly website to help freelancers find online job opportunities easily.
- Used JSP servlets and RDBMS as front end and backend.

SEMINAR

Seminar on LSB Based Image Steganography

| *Information Security, Steganography*

Aug. 2022 – July 2023

- Presented a research paper on LSB based Image Steganography, did the Comprehensive survey as part of MTech Seminar Course .

PUBLICATIONS

Identification of Encryption Method for Block Ciphers using Machine Learning Methods

| *published in 20th IEEE INDIA Council Conference*

Storage Wastage prevention and Increased security in cloud

| *Published in JETIR journal*

ACHIEVEMENTS AND AWARDS

- Third rank in state level paper presentation
- Recognized as the Best Student at College of Engineering Belhe, excelling in a dynamic environment with 5 departments and 200 plus students.
- Secured the first rank in Fast Handwriting, dominated Speech Competitions, and excelled in Essay Writing competitions.
- Led the School Team (Subhash Bose House) as the Captain, securing back-to-back first-rank trophies 2 times.