RESUME

SAHITYA KIRAN PILLI
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OBJECTIVE:
To work in a highly challenging environment and to significantly contribute my skills both for the development of organization and my professional career.

SUBJECTS DEALT: Digital Image Processing, Digital Signal Processing, Switching Theory and Logic Design, Analog Communications, Basic Electronics and Devices and Microprocessors and Microcontrollers.
LABS DEALT: Digital Signal Processing Lab, Analog Communications Lab , Pulse and Digital Circuits Lab and EDC lab.

SKILLS:C Programming, MATLAB, HTML, CSS, MENDIX
Professional Experience:

- Working as a Asst. Professor in Dr. Lankapally Bullayya College of Engineering from July 19th 2023 to till date.

- Worked for 8 months as a Mendix Developer in Nlite Asia Pvt.Ltd., Visakhapatnam.

- Worked for 4 years as a Asst.Professor in NADIMPALLI SATYANARAYANA RAJU Institute of Technology, Sontyam, Visakhapatnam.

- Worked for 5 years as a Asst.Professor in AVANTHI Institute of Engineering and Technology, Makavarapalem, Visakhapatnam.

- Worked for 1 year as a MATLAB Programmer in Magni5Technologies**,** Hyderabad**.**

Educational Qualification:

- Master of Technology (M.Tech) in Digital Systems and Signal Processing From GITAM University, Visakhapatnam (A.P) in year 2011.
- Bachelor of Technology (B.Tech) in Electronics and Communication Engineering (E.C.E) from Gokul Institute of Technology and sciences (Affiliated to JNTUH) ,Bobbili(A.P) in the year 2008.
- Intermediate in M.P.C stream from Green Card Junior College, Visakhapatnam (A.P) in the year 2004.
- S.S.C from R.C.M High School, Narsipatnam (A.P) in the year 2002.

Project#1

"MODIFIED ADVANCED ENCRYPTION STANDARD"

Description: Advanced Encryption Standard (AES) is a well-known block cipher that has several advantages in data encryption. The Advanced Encryption Standard (AES) algorithm is capable of using cryptographic keys of 128, 192, and 256 bits to encrypt and decrypt data in blocks of 128 bits. In this project, we

analyze and present a modification to the Advanced Encryption Standard (MAES) to reflect a high level security and better image encryption.

Project#2
"ADAPTIVE WIENER FILTERING APPROACH FOR SPEECH ENHANCEMENT"

Description: In modern era speech enhancement plays a vital role in so many applications like multimedia, medical Etc. Wiener filter and Adaptive wiener filter algorithms are used to implement speech enhancement system. By calculating and comparing SNR ratio for these two algorithms, finalized that adaptive wiener filter is best for speech enhancement. Simulations are done in MATLAB tool and results are obtained successfully.

Certifcations:

- Got Elite silver certificate in **Signals and Systems** NPTEL online certification course.

- Got Elite silver certificate in **Digital Image Processing** NPTEL online certification course

- Got NPTEL Online certification in **Digital Electronic Circuits** course.

- Got NPTEL Online certification in **Discrete time Signal Processing** course.

Publications and FDP's:

- Published a paper in journal of critical reviews Titled as *"Implementation of Natural Random Forest Machine Learning Methods on Multi Spectral Image Compression".December 2019.*

- Completed one and half week FDP in Digital Image Processing course by NPTEL-AICTE.

- Participated in the one week FDP on "Outcome Based Education and its Implementation" by NITTR, CHENNAI, Govt.Of India,MHRD.

- Participated in the one week FDP on "Artificial Neural Networks and Fuzzy Logic" by NITTR, Chandigarh, Govt.Of India,MHRD

- Participated in the one week FDP on "Antenna Design Techniques and Software Simulation using HFSS" by NITTR, Chandigarh, Govt.Of India,MHRD

- Participated in the one week FDP on "Image Processing using MATLAB" by NITTR, Chandigarh, Govt.Of India,MHRD

- Ratified by JNTUK as a Asst.Professor in ECE Dept.

- Published a paper in International Journal of Engineering Applied Sciences and Technology Titled as Optimization Energy Routing Protocol In Designing Advanced Manet*".August-2018.*

- Published a paper in International Journal of Research in computer and communication technology Titled as "A New Modified version of Advanced Encryption Standard Algorithm For Image Encryption*".January 2018.*
- Published a paper in International Journal of Scientific Engineering &Technology Research Titled as*"Reversible Watermarking for Copy-Right Protection Application".August-2017.*
- Published a paper in **National Conference** on Emerging Trends in Signal Processing and Embedded Systems Titled as *"Adaptive Wiener Filtering Approach for Speech Enhancement".*
- Participated in a 2day National level workshop on "Cadence tool" held at GITAM University Visakhapatnam.
- Participated in a 2day National level workshop on "Advances in Signal and Image Processing" held at JNTUK .

Personal details:

Name	: SAHITYA KIRAN PILLI
Father's Name	: PRABHAKARA RAO P
Date of Birth	: 30-07-1987
Sex	: Male
Marital Status	: Married
Nationality	: Indian
Languages Known	: English, Hindi, Telugu

DECLARATION:

 I hereby declare that the above mentioned details are correct to the best of my knowledge.

Place: Visakhapatnam   *Sahitya Kiran Pilli*
Date: