Name: Shalaka S. Deshpande.

Address: Navi Mumbai, Maharashtra, India.

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Carrier objective:

Technical engineer position in a fast paced engineering lab related to current and new technology. To learn new aspects of technology and modify current trends in embedded systems .To work on projects leading for socio economic growth of institute and society and bridge gap between academics and industry.

Qualification:

1) M.E in Embedded Systems from B.A.M.U university ,MIT Aurangabad with 62% marks in 2017

2) B.E. in Electronics and Communication from B.A.M.U university ,MIT Aurangabad with 62% marks in 2012

3) HSC from Maharashtra board Aurangabad with 74% marks in 2008

4) SSC from Maharashtra board Aurangabad with 83% marks in 2006

Professional skills:

Operating Systems	Windows
Programming Languages	Assembly, VHDL, C
Embedded Software	MATLAB, VIVADO ,Keil, Proteus
Other Software	Xilinx, Multisim

Experience:

1)Worked as an Teaching Assistant in Maharashtra Institute of Technology Aurangabad for 1 year 4 monthes.

2)Worked as an Assistant Professor in SIES graduate school of technology , Nerul, Navi Mumbai for 11 monthes.

3)Worked as a Teacher in Aggarwal classes from 26th july 2021 to 28th October 2021.

4)Worked as an Assistant Professor in Chembur Karnataka Night College.

5)Worked as an embedded trainer and developer in embedded technosolutions from 10 March 2022 to 2nd May 2022.

6)Worked as an Assistant Professor in ARMIET College from 13/02/2023 to 30/09/2023.Currently working in Father Agnels Vashi, Navi Mumbai.

7) Took FDP on Successful management and Introduction to Corporate world in ARMIET College on 8/06/2024

Subjects Taught:

1)Digital Image Processing

2)Basic Electrical Engineering

3)Digital signal processing

4)Computer Organization And Architecture.

5)Microprocessor.

6)Computer Networks.

7)Entrepreneurship and E business.

8)Artificial Intelligence and Data Science.

Projects:

1) Tomographic Image Reconstruction using Artificial neural network.

2) FPGA implementation of Viterbi Algorithm

Professional Courses undertaken:

1)Completed short term training program on Neural network and Tensor flow from 2th January to 7th january 2019 in SIESGST

2)Completed short term training program on "Transforming higher education Mileu towards excellance" from 30th April to 10th May in SIESGST

3)Completed one day workshop on "Machine Learning " held at SIESGST on 23rd March 2019.

4)Completed one day workshop on "FPGA" held at SIESGST on 16th March 2019

5)Completed workshop on "MATLAB and its application in communication and Neural Networks" organized by MIT Aurangabad from 19th to 20th February 2011

6)Advanced Embedded systems using Linux from 10th June 2019 to 10th September 2019.

7)Cyber Security Bootcamp from 17th January 2024 to 19th January 2024.

Publications:

Sr no	Title	Journal
1	FPGA implementation of Viterbi Algorithm in grand alliance ATSC system	International journal of electrical, electronics and data communication.
2	Advanced Television System Committee and standard modulation schemes	International journal of advances in science engineering and technology.

Area of interest: Embedded Systems and VLSI

Hobbies: Reading books

Key strengths:

1)Good Analytical Skills.
2)Self-confident.
3)Better time management capability.
4)Work efficiently in group as well as individually.

Personal profile:

Name: Shalaka S Deshpande
Date of birth: 23rd July 1990
Sex: Female
Language Known: English, Hindi ,Marathi
Has Lecture videos on youtube channel

Name of youtube channel:-Shalaka Deshpande

Shalaka Deshpande Youtube channel has 728 subscribers and more than 66 lectures.

About the Youtube Channel:-

I have covered the basic concepts of Embedded systems .Topics related with core , memory , Introduction ,applications and communication interface(Internal and external) are covered. Have also covered concepts of computer networks and digital image processing on youtube channel.I am also planning to cover programming in C and Embedded C and detailed architecture of Artix-7 board which I have used for Project. I have the hobby of reading technical books and I and very volatile. I feel research attitude is important in technical field all my videos are prepared after putting research in that concept

Reference Books:-

1)Introduction to Embedded Systems by Shibu KV.

2)Embedded systems, Architecture, Programming and design by Rajkamal.

3)Computer Networks by Forouzan.

4)Digital Image Processing by Shridhar(Oxford press).