

# SHOBHIT TULI

## 3rd Year ECE Undergraduate

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🌐 <https://github.com/Shobhit-09/S9>

## EDUCATION

### B.Tech in Electronics and Communication

#### PES University

📅 Aug 2017 – Present      CGPA - 8.626/10.0 (Upto 5th Sem )

### St. Clare's Senior Secondary School (Class XII CBSE)

#### Agra, Uttar Pradesh

📅 July 2014 – May 2016      Percentage - 90.2%

## PROJECTS

### Robotics

📅 Dec 2017

- Sensor interfacing and wireless communication using bluetooth with a micro-controller like Arduino and Raspberry Pi.

### Street Lights that Glow on Detecting Vehicle Movement

📅 Mar 2019

- Automatic turning off and on of traffic lights using 8051 microprocessor, IR sensors and receivers.

### Stock Market prediction using R Programming

📅 Apr 2018

- Data Analysis and Prediction of Stock Market using statistical and graphical analysis along with Data Science concepts like regression, time series and histogram plots.

### Template Matching using Maximization of cross-correlation

📅 Nov 2019

- Using the given pictures, a particular template is detected from the entire image by comparing each pixel using different concepts of Image Processing via MATLAB Tool.

### Classification of XOR Problem with a RBFN

📅 Nov 2019

- Using two groups of linearly inseparable data in two dimensional input space, a Neural Network was defined for solving the XOR classification problem using MATLAB tool.

## ACHIEVEMENTS

- CNR Rao Merit Scholarship awarded for being amongst the top 20 percent in the Department. [2nd Sem]
- Prof. M R Doreswamy Merit Scholarship awarded in 5th Sem for being amongst the top 20 percent in the Department. [5th Sem]
- Distinction Award in PESU I/O Project in Robo Sapiens. [2nd Sem]

## SKILLS

C++   Python   IOS  
MATLAB   Image Processing  
Artificial Neural Network

## FIELD OF INTEREST

- Artificial Intelligence
- Machine Learning

## COURSEWORK

- Data Structure [Minors,CSE]
- Design and Analysis of Algorithms [Minors,CSE]
- Operating Systems [Minors,CSE]
- DBMS [Minors,CSE]
- CERTIFICATE OF TRAINING : Core Java [Internshala]
- Practical Approach to Deep Learning using Hardware Accelerator and Software Framework - Special Topic [Ongoing]

## EXTRA-CURRICULAR

### Organiser

**Samarpana-An event to honor the martyr of the Indian Defense Forces at PES University**

📅 Feb 2020 – April 2020

### Volunteer

**Epsilon-Inter College Science Fest at PES University**

📅 2017-18

### ISP

**Student Partner 9.0**

📅 Jan 2017– May 2017