Harshal Rajendra Chaudhari

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OBJECTIVE

- To pursue a challenging career and be a part of progressive organization that gives a scope to enhance my knowledge and utilizing my skills towards the growth of the organization

ACADEMIC DETAILS

Degree/Course	Institution	Year of Passing	CGPA / Percentage
Mtech (Telecommunication)	NIT Calicut	2020	8.01
BE(ENTC)	Pimpri Chinchwad College of Engineering, Pune	2018	70.81%
12th	Abasaheb Garware College, Pune	2014	75.38%
10th	St. Aloysius High School, Bhusawal	2012	86%

FIELD OF INTERESTS

Wireless Communication, Machine Learning, Computer Network,

SKILLS

- **Programming Languages:** C, C++, Python, Matlab
- **Operating Systems:** Windows and Linux
- **Tools:** JetBrains PyCharm, Google Colaboratory, Matlab, CodeBlocks
- **Simulation Tools:** Multisim, Proteus Design Suite

ACADEMIC PROJECTS

- **M.Tech:**
- **Project:** Residual learning based end-to-end wireless communication system under perfect, imperfect and approximate CSI at receiver.
- **Paper published:** Harshal Chaudhari, Najlah C. P., Sameer S. M., "A ResNet based end-to-end wireless communication system under Rayleigh fading and bursty noise channels," 5G World Forum 2020. (**Accepted**)
- **Seminar:** Fano's Sequential Decoding Algorithm for Convolution Code
  - The sequential decoding algorithm is implemented on the code tree which is available at both the transmitter and receiver. The algorithm makes use of fano metric to make a choice between the paths through a node.
- **Deep Learning using Tensorflow:**
  - Implemented a binary image classifier using Convolution Neural Network, which is capable of differentiating between cars and truck.
- **Linear Regression** on the stock market index of national stock exchange (NSE) for every Friday from 2002 January to 4th January 2019.

● B.E. Projects:

- **Third Year Mini Project** : "Density based traffic signal controller using PIC18f4520"
  - Hardware Component – PIC18f4520 Microcontroller, IR Sensors
  - Software: Multisim 12.0, Proteus 8.0, ELNEC, MPLAB.

- **Final Year Project: "**A Secured IOT based Modern Healthcare System**".**

- **Published Paper:-**

  Harshal Chaudhari, Vikas Basankar, Datta Boyane, "A Secured IOT based Modern Healthcare System", IJSRD - International Journal for Scientific Research & Development| Vol. 6, Issue 03, 2018

- **Hardware Components:-**

  Arduino Uno, Node MCU, Heartbeat Sensor, GPS Module, GSM Module, Finger Print Sensor.

  Tools used:- Arduino IDE, ThingSpeak(Cloud), Proteus 8.0

CO-CURRICULAR ACTIVITIES

- Participated in **DST & Texas Instrument India Innovation Challenge Design Contest 2017,** Anchored by **IIM, Bangalore**
- Participated in **Communique 15-5th International Telecom Seminar**,at Symbiosis Institute of Telecom Management,Pune.
- Participated in "**E-Yantra**" Competition organised by IIT Bombay

EXTRA-CURRICULAR ACTIVITIES

- Worked as Management head at "**Institute Social Responsibility (ISR) Cell**" PCCOE.
- Active Volunteer at 8th National Conference On Industry Institute Interaction 2016 at PCCOE, Pune in association with NAASCOM, MIDC, BOAT, MIDC(R&D), SME Chamber of India and S. P. Pune University
- Played as a member of PCCOE Table Tennis team for Inter department Table Tennis Competition.

PERSONAL DOSSIER

- Date of Birth: 30th March 1996
- Gender: Male
- Languages known: English, Marathi, Hindi

Declaration:

- I hereby declare that above information is true to best of my knowledge.

DATE:

PLACE: Bhusawal (Maharashtra) Harshal. R. Chaudhari