

Himanshu Sharma

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EDUCATION

SHIV NADAR UNIVERSITY

BACHELOR'S IN ELECTRONICS AND
COMMUNICATION ENGINEERING -
CGPA- 8.97

DEWAN PUBLIC SCHOOL, MEERUT CANTT, MEERUT

SENIOR SECONDARY (PCM WITH CS)
- Board percentage - 92.8
CLASS 10 CGPA - 10

LINKS

Github:// [hmnhGeek](#)
LinkedIn://
[himanshu-sharma-93205b143](#)

COURSEWORK

UNDERGRADUATE

Basic Electrical Engineering
Fundamental Programming Practices
Data Structures
Signals and Systems
Analog Electronics
Electromagnetism
Digital Signal Processing
Data and Digital Communications
Networks
Graph Signal Processing (pursuing)

SKILLS

PROGRAMMING

Python • MATLAB • C • LINUX
HTML •

TOOLS

Cadence Virtuoso • LTSpice • GIT •
CubeMX • Excel •

ACHIEVEMENTS

National Winner of Smart India
Hackathon (2019) under MathWorks
• Dean's List Award • Silver Medalist
for academic excellence by D.S. Group,
Noida • Organising Committee
member for HackData 2019 •

EXPERIENCE

WINUALL.COM | API DEVELOPER (INTERN)

May 2017 – July 2017 | Wrok from Home

- Built and managed image processing APIs.
- Contributed to text detection APIs and OCR recognition APIs.
- Used Python and Flask environment.
- Additionally, got to know how real industries work in the IT sector.

BHARAT ELECTRONICS LTD. | TRAINEE

June 2018 – July 2018 | Sahibabad, Ghaziabad

- Got to know how a typical PSU works and their working culture.
- Specifically, learnt how antennas are built and what role the unit plays for the development of the country.
- Attended few lectures on how production and manufacturing is done in their unit.

PROJECTS

OTP BASED TWO STEP VERIFICATION | STM & C

Shiv Nadar University

A project based on STM32L47RG board. It utilizes two step (via OTP) verification using RFID cards. I was responsible for coding the logic in the microcontroller.

SSTV IMAGE TRANSFER | Python app

Shiv Nadar University

Created a python based application for my academic project. Transfer images using FM through sounds only, using a suitable SSTV detector.

HACKDATA.IN (2019) | Website Development

Shiv Nadar University

Created a website for my college based inter-college hackathon competition Hackdata.

EDGE ADAPTIVE STEGANOGRAPHY | Python app

Shiv Nadar University

Created a python app during the course of Digital Signal Processing. The art of steganography is hiding of information (mostly text) into image pixels without causing much changes in the image. My approach was to hide information in sharp edges.

SNU LIBRARY APP | Android App

Shiv Nadar University

Created a python based android app as a persoal project. It uses web scraping techniques and other APIs to basically surf through the books in the library making it easier for them to access the books when compared to the official website.

TRAFFIC OPTIMIZATION USING UAVS | MATLAB

NIT Calicut, Kozhikode

Won the National level hackathon in March 2019 as a team of 6 members under a problem statement given by MathWorks. My role was to develop web based services which provide the required data for the DL algorithms used in the code.