

# Nikita Mahoviya

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## EDUCATION

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### National Institute of Technology, Hamirpur

*Integrated B.Tech + M.Tech in Electronics and Communication Engineering - 7.72/10*

Himachal Pradesh, IN

*Aug. 2018 - May 2023*

### St. Mary's Convent Inter College, Lucknow

*Senior Secondary (XII), Science (I.S.C. Board) - 82%*

Uttar Pradesh, IN

*2018*

## TECHNICAL SKILLS

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**Programming Languages:** Python, MATLAB, JAVA, C/C++, HTML, Markdown, Groovy Script

**Framework and Developer Tools:** WordPress, Git, VS Code, SoapUI, Eclipse

**Simulation Tools:** OrCAD, COMSOL, Simulink, EDA Tools

## SOFT SKILLS

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**Languages:** English Speaking Proficiency, Creative Writing

## INTERNSHIP

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### MATLAB Developer

*MATLAB Helper*

Apr 2020 - Sept 2020

*Virtual*

- The internship activity included working in the field of MATLAB with content creation of GUIDE, SIR Modelling and Fuzzy Logic Toolbox and Neural Network.
- Enhanced my marketing skills by creating promotional content for the organization.

## OPEN SOURCE CONTRIBUTION

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### How do object behaviors and attributes differ

[PR1326](#)

- This Pull request had a brief descriptions of object behaviours and attributes with a linked example relating the real life situation.

### Defining the correct usage of data-types in Java

[PR1340](#)

- While defining data-types for a variable, a confusion exists, whether to define a variable as 'float' or 'double', and its correct syntax. I resolved this issue with a code instance and brief explanation about the syntax.

### Updated the documentation to reflect current state of implementation of Adorsys

[PR1204](#)

- Adorsys is an open-source fintech project which offers services in various domains. It's README file needed an update as there were many new services added.

### Code for saying hello in different languages

[PR5](#)

- To make the code compatible for producing output in various languages, many files need to be changed as well as added which includes installation of packages and addition of a text file which has various languages.

### Updated the README file of scorelab/GSoC

[PR116](#)

- Updated the README file according to the latest projects and information about the GSoC 2020.

### Updated the README file of the squirrel library

[PR4](#)

- Updated the README with a brief description about the squirrel library, and how the squirrel matrix is formed.

### Updated the README file for participants of Google Season of Docs 2021

[PR135](#)

- I added small but useful information in the README.md file of 2021-participants on how to add their information in the interested-technical-writers.md as many of us were committing the mistake of not putting in our data in alphabetical order.

## PROJECTS

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### **IoT based large area sanitization using UVC lights**

Aug 2020 – Present

- The proposed model is a chemical less, eco-friendly mass sanitization system. Supports the latest guidelines given by the government concerning the mass sanitization of public places

### **Study, Design and Implementation of Solar Cells | *Simulink, MATLAB***

Jan 2020 – June 2020

- A study project on optoelectronic device under the guidance of Dr Gopal Rawat Sir (faculty, NIT HAMIRPUR) giving me an exposure of detailed mathematical modelling and simulation of three single diode equivalent models of solar cells.

### **Artificial Intelligence | *Jupyter Notebook, Python***

Oct 2019

- A bot that reads the data from database and after evaluating the details, calls the customer asking predefined questions and ask the customer to reply in return to update the database

## POSITION OF RESPONSIBILITY

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- Content writer head at **I AM AN NITIAN**.
- Group Leader in **NSS** at **NIT Hamirpur**
- **Volunteer** at **Society for the Promotion of Indian Classical Music And Culture Amongst Youth** at NIT Hamirpur

## ACHIEVEMENTS AND EXTRA-CURRICULAR ACTIVITIES

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- **National seat holder** for project idea IoT based large area sanitization using UVC lights at **IIC National Innovation Contest 2020**
- Secured an **AIR 194 in Technothon** conducted by **IIT Guwahati in 2016**.
- Got featured in the leading newspaper, **Dainik Bhaskar**, Patna edition for helping the JEE students for the **JoSSA counseling process**.