

Abhay Maurya

4th Year Integrated Student
Computer Science and Engineering
National Institute of Technology Hamirpur

Mob. : +91-8707445762
Email : maurya.abhay530@gmail.com
[linkedin.com/in/abhay8](https://www.linkedin.com/in/abhay8)
github.com/Abhay811

Work Experience

Mitigating Adversarial Attacks on Neural Networks

Research Intern | *Hamirpur, India*

- Worked on different methods(*Denoising, Random noising*, etc) to reduce adversarial effects.
- As a result Model can predict with more confidence.

Education

- **National Institute of Technology, Hamirpur** Hamirpur, India
Integrated MTech. CGPA : 8.2/10 (till 6th) Sem *July 2018 - present*
- **Rani Laxmi Bai Memorial School (CBSE)** Lucknow, India
Intermediate(12th) Percentage: 84.8% *April 2015 - March 2017*
- **Rani Laxmi Bai Memorial School (CBSE)** Lucknow, India
High School(10th) CGPA : 9.6/10 *April 2013 - March 2015*

Skills

- **Languages:** C, C++, Python, R, Java, Kotlin, SQL
- **Softwares/Tools:** Android Studio, RStudio, MATLAB, Jupyter Notebook, Google Colab, MSVC
- **Others:** Android, Git, \LaTeX

Projects

Weather App

Kotlin, Android, Room Database | *September 2021*

- Used Room database to store different cities location.
- Implemented using OpenWeather Api for weather status.

Sudoku Puzzle Solver and OCR:

Python | *June 2021*

- Designed Convolutional Neural Network (CNN) to OCR the digits(0 - 9) of the MNIST dataset
- Deployed trained Model with accuracy of 98% to the input image containing Sudoku puzzle
- Demonstrated the result to original image in form of 9 x 9 grid and printed in terminal

Online Examination System:

Python, Qt5, MySQL | *Feb 2021 - April 2021*

- Designed and implemented Desktop Application in 2-person team using Python
- Students can create their account and log in and college database will be used to verify
- For user verification and signup SMTP module is employed to generate 6-digit OTP

Pharmacy Management System:

Java, JavaFx, MySQL | *August 2020 - Nov 2020*

- Led team of 3 to implement Desktop Application of Pharmacy using Java
- Designed to streamline workflows associated with drug dispensing, medication adherence, medical billing, inventory management and fulfillment, and customer data collection

Achievements

Academics: Selected into Super 100 Kanpur batch 2017 - 18, runs with CSRL (NGO), funded by GAIL, which prepare students for JEE Exams

Scholarships: Recipient of scholarship from GAIL for Higher Studies for 2 years

Others:

- Secured 3rd position out of 20 teams in Treasure Hunt organized by Chemical Engineering Dept.
- Secured 3rd position out of 15 teams in Boat Making organized by Civil Engineering Dept.

Additional

Certifications & Training: Neural Networks and Deep Learning, Convolutional Neural Networks, Machine Learning, Android Development

Languages: English, Hindi

Hobbies/Interests: Watching Animes, Reading Technological Advancement, Reading/Watching about Cosmos, Competitive Coding