

Abhay Maurya

3rd Year Integrated Student
Computer Science and Engineering
National Institute of Technology Hamirpur

Mob. : +91-8707445762
Email : maurya.08abhay@gmail.com
[linkedin.com/in/abhay8](https://www.linkedin.com/in/abhay8)
github.com/Abhay811

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, L^AT_EX

Projects

Sudoku Puzzle Solver and OCR:

- 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
- View at: [Sudoku Puzzle Solver](#)

Calories Burnt Prediction:

- The project focuses on the calories burned in accordance with the duration provided and heart rate during the exercise period, with the dataset of 15k to train model
- Employed XGBRegressor library to predict Calories Burned, with Accuracy upto 97.5%
- View at: [Calories Burnt](#)

Pharmacy Management System:

- Led team of 3 to implement Desktop Application of Pharmacy using Java
- Used GUI library JavaFx and Database of MySQL
- View at: [Pharmacy](#)

Online Examination System:

- Designed and implemented Desktop Application in 2-person team using Python
- Used PyQt5 GUI and MySQL database, for user verification and signup SMTP module is employed to generate 6-digit OTP
- View at: [Online Examination System](#)

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

Languages: English, Hindi

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