PRAVESH PANDEY

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EDUCATION

Motilal Nehru National Institute of Technology   *Uttar Pradesh, India*

- Bachelor of Technology (**8.0/10**)   *June 2019–Present*

Nirmala Convent High School   *Renukoot, India*

- intermediate School (**92.2/100**)   *April 2018-March2019*

EXPERIENCE

Software Development Intern   **Direction Educare, Jalandhar**   *January 2021 – February 2021*

- Automating service to compress large file while storing them in database.
- Optimizing search queries using Dynamic Queues, thus reducing the latency, and improving performance.
- **Technology Used:** Python, MySQL, Python, OpenCV

PROJECT

Maze Explorer Bot (link)   *January 2020 - February 2020*

- Developed a three wheeled intelligent Bot to solve Maze, for the Technex, intelligent robot development even organized in IIT-BHU. Bot runs over the maze detecting the colors on its way, and reaches to the end.
- **Technology Used:** color sensor, Arduino, Infrared sensor, Arduino IDE.

Sudoku Solver (link)   *January 2021 – January 2021*

- Developed an application to solve Sudoku from its image.
- Application use customized CNN to detect the image, and trained over MNIST dataset, by tuning hyperparameters, to detect digits and added edge detection feature from OpenCV to separate them. Finally using the backtrack algorithm to solve the Sudoku once we receive the matrix form. Accuracy received is 97.67%
- **Technology Used:** Python, OpenCV, TensorFlow, Deep learning, Google Collab.

Internal Collage Events Website(link) <Unofficial>   *May 2020 – June 2020*

- Developed the collage website to display the upcoming collage evens, and results from past events, also adding facility of student login to check in and update.
- **Technology Used:** HTML, CSS, JS, Bootstrap, Python, SQL.

Cell Phone Controlled car(link)   *April 2020 – May 2020*

- Developed a three-wheel Bot that is controlled by cell phone gyroscope to control it.
- **Technology Used:** NodeMCU, Arduino, motor driver, Arduino IDE.

ACHIVEMENTS

- Certified Problem Solver for Data structure and Algorithms from HackerRank, Profile: **@Dhananjay25**
- **Runner-Up | Maze Explorer | TECHNEX2020-IIT BHU**   *February 2020*
  - Achieved the 2nd rank in Maze Explorer IIT BHU, intelligent robot development event organized under the annual techno-management event Technex.
- **Winner | Project Exhibition | Prosang2020 - MNNIT Allahabad**   *February 2020*
  - Achieved rank 1st in **Prosang 2020,** organized under annual techno-management event at MNNIT Allahabad
- **Solved 1000+ Coding Problems (2020-Present)**– On various online Coding Platform.
- **Algorithm Specialization Certified (2020)** – Completed

SKILLS

- **Strongest Area –** Data Structure & Algorithms | C++
- **Languages** – C/C++ | Python | JavaScript | HTML | CSS | SQL
- **Technologies & Frameworks–** NodeJS |OpenCV | Machine Learning |Web Scraping |Git