Pratik Shastrakar

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🎓 EDUCATION

Shri Ramdeobaba College of Engineering and Management,

B.E. in Electronics Engineering ⧉

2020 – 2023 | Nagpur

CGPA: 8.78/10 (Present)

Government Polytechnic Nagpur,

Diploma in Electronics & Telecommunication Engineering ⧉

2017 – 2020 | Nagpur

Percentage: 86.60%

Sri Guru Harkrishan Public School,

Secondary School

2017 | Nagpur, MH, India

CGPA: 9.2/10

🧠 SKILLS

Languages: C++, Python
Databases: SQL, MongoDB.
Frameworks: MERN Stack, HTML/CSS, Git
Others: Data Structures & Algorithms, OOPS, DBMS.

📜 CERTIFICATES

- Hackerrank Problem Solving ⧉

- Android App Development ⧉

- Machine Learning Foundations ⧉

🎸 INTERESTS

- Coding

- Listening Music

💼 EXPERIENCE

Research Intern,

Shri Ramdeobaba College of Engineering and Management

08/2021 – Present | Nagpur

- An AI-powered Smart Hydroponics-based farming system using **IoT**.
- Growing crops without using soil, tracking the trajectory of plant growth by **Artificial Intelligence**.
- Used **OpenCV** for vision analysis and processing.
- Tech Used - Python, OpenCV, AI,

🗂 PROJECTS

Fully Responsive Personal Portfolio

Github ⧉ Hosted ⧉

- **React.js** and **Node.js** were used to create a fully responsive multi-page website with elegant animations.
- Styled with **React**-**Bootstrap** and **CSS** for an easy-to-customize style.
- Hosting my resume and my other projects.

The tech stack used: **React.js, Node.js, Express.js, CSS3**.

GUI based YouTube Video Downloader ⧉

- This is a basic GUI-based Python code that downloads any YouTube video in multiple resolutions.
- Made in **Python**, **Tkinter** GUI uses the YTube module.

Bluetooth controlled Smart Car

- Assembled a 4WD car l, controlled via an Android phone using an app
- Used **Arduino UNO**, interfaced with motor controller **HC-05**, and Bluetooth transreciever.
- The car automatically stops if obstacles appear in front using an **Ultrasonic sensor.**

🏅 ACHIEVEMENT

Inter College code Debugger Competition, *Ranked 1st*

Conducted in SB Jain College, 2019

5 Star at HackerRank (C++)

Runnerup in NSS Hackathon