Chirag Rawat

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Summary — Motivated Electrical Engineering student at Punjab Engineering College with expertise in programming, web development, and machine learning. Proficient in C++, Python, JavaScript, React, Express, and UiPath. Passionate about automation and data science, aiming to apply technical skills to solve real-world problems in software development and engineering.

Skills

- **Programming Languages**: C++, Python, JavaScript
- **Web Development**: HTML, CSS, React, Express
- **Machine Learning**: Python, Computer Vision, OpenCV
- **Automation**: UiPath, Robotic Process Automation (RPA)

Experience

Football Analysis Project

- Developed algorithms to analyze player performance and team dynamics, providing data-driven insights.
- Utilized YOLO and OpenCV for real-time player identification and tracking, supported by ByteTracker for enhanced accuracy.
- Analyzed movement patterns to extract detailed insights on player positioning and team formations.

Resume Screening Bot

- Created an automated bot to screen resumes based on keywords and experience, streamlining recruitment.
- Integrated with Microsoft Forms to reduce manual data entry, improving HR efficiency.

Brainwave Website Design

- Designed a modern, user-centric website for Brainwave, using a bentobox layout and responsive principles.
- Applied Material-UI for consistent styling, optimizing user experience across devices.

Education

Punjab Engineering College, Chandigarh — 2022 - Present
Bachelor of Technology in Electrical Engineering

Government Model Senior Secondary School, Sector 19, Chandigarh — 2019 - 2021
10th and 12th with PCM (Physics, Chemistry, Mathematics)
10th: 93%, 12th: 79%

Achievements

- **4th Place in STGI Hackathon:** Developed a resume screener project, automating the recruitment process, which secured 4th place in the hackathon.
- **Quadcopter Linear Model:** Created a linear model for a quadcopter, successfully controlling its translation in 3D space, simulating flight dynamics.
- **3rd Place in State Conference:** Achieved 3rd place in a state-level conference for presenting a mathematical model of quadrilateral angles in Class 9.

Extracurricular Activities & Interests

Extracurricular Activities

- **Disciplinary Member** PECFEST 20204, Punjab Engineering College
- **Logistic Assistant** PECFEST 2022, Punjab Engineering College
- **Participant** Hackathons and Coding Competitions

Interests

Football and Cricket Enthusiast, Skateboarding, Interacting with New People, Participating in Hackathons and Competitions