# RAJANPREET SINGH

Python Coder & Microsoft certified Developer
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Lopoke, Amritsar, Punjab, India

## PROFESSIONAL SUMMARY

Skilled Power Apps with a strong focus on building responsive, user-friendly applications. Experienced in creating low-code solutions using Microsoft Power Platform and developing static frontends with WordPress and Power Apps. Proficient in Dataverse, Power Automate, and UI/UX best practices. Adept at turning business needs into efficient, scalable digital solutions.

## TECHNICAL SKILLS

- **Programming Languages & Libraries:** HTML, CSS, Python, SQL Power
- **Platform & Automation:** Power Apps (Canvas), Power Automate,
- **Frontend & UI Development:** React.js, Tailwind CSS, Responsive Design
- **Testing Tools & Practices:** Postman, Manual Testing, Debugging Tools
- **Microsoft Ecosystem Integration:** Power BI, Microsoft 365, Dynamics 365
- **Analytical Skills**: Data Visualization, Workflow Optimization
- **Soft Skills**: Collaboration, Problem Solving, Time Management, Teamwork

## EDUCATION

- **Matrix Education |** Sacred Heart High School,Chogawan, Amritsar **2023**
  **Percentage: 78%-PSEB**
- **Secondry Education |** Khalsa College Public School, Amritsar **2025**
  **Percentage: 82%-CBSE**
- **Bachelor of Computer Applications**| Khalsa College of Engineering & Technology, Amritsar **2025-2028**
  **CGPA**:

## PARTICIPATIONS

- **Interkhalsa Tech-fair** @Khalsa College,Amritsar
- **Let's code and create the world** @IKG Polytechnical University,Amritsar
- **Internaonal Math Olympiad** @Khalsa College Public School,Amritsar
- **Kon bane ga 'Pyare da Pyara'** @Gur. Hargoibind Singh, Bindi Aulakh

## ACHIEVEMENTS-Offline

- **Mr. Sacred Heart** @Sacred Heart High School, Chogawan,Amritsar **1ST** Rank
- **NCC Certified Cadit** @Khalsa College,Amritsar **A** Grade
- **Waste to Wonder (NCC)** @CEO Office,Amritsar **2ND** Rank

## ACHIEVEMENTS-Online

- Describe cloud computing
- Introduction to Microsoft Search
- Get started building with Power BI
- Bring more of your data to Microsoft Search
- Introduction to Microsoft Defender XDR threat protection

## AIML PROJECTS

- **Mars Rover**
  The Mars rover is a robotic vehicle made to explore the Real Mars Rover. It captures images and examines soil and rocks. It has scientific tools and sends data back to the Server (Dabble (us)) for study.

- **Smart Irrigation System**
  A smart irrigation system uses sensors to monitor soil moisture levels in real time. When the soil gets dry, the system turns on automatically to water the fields. It conserves water by only irrigating when necessary, which improves efficiency. This technology supports healthier crops.

- **Sleep Resister**
  Smart goggles for long-route drivers have sensors that detect eye movements. If the driver closes their eyes for too long, the goggles beep loudly to alert them. This warning helps prevent accidents caused by drowsiness by keeping the driver awake. The system improves road safety by monitoring alertness in real time.

- **Hand Gesture Car**
  A hand gesture extension for cars helps drivers with disabilities by using gesture or voice control. It allows them to manage functions like steering, acceleration, and braking with simple hand movements or voice commands. Sensors detect specific gestures or spoken instructions and turn them into vehicle actions. This system supports independence and safe driving for people with limited mobility.

- **Smart Locker**
  A smart locker is a secure storage system that uses RFID technology to control access. Users can unlock the locker by simply tapping a registered RFID card, making it fast, contactless, and easy to use. For enhanced security and reliability, the locker includes an optional keypad that allows users to enter a PIN code for emergency access, ensuring access even if the RFID card is lost or damaged and a optional physical key as a backup method to unlock the locker in case theRFID system fails (e.g., power failure or card issues).

- **Strict washroom**
  This strict washroom system is designed to promote hygiene by ensuring that users cannot exit the washroom until the toilet tank is flushed. The door lock is electronically linked to the flush mechanism. To ensure user safety, especially in the event of a malfunction or medical emergency, the system is equipped with an emergency alarm button.