PRAHARSH SINGH

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OBJECTIVE

I am a Computer Applications graduate eager to contribute my skills in MERN stack development, Python, and modern web technologies to a dynamic team. I thrive on building real-world solutions—whether it's a full-stack web app, a machine learning project, or an IoT system. I'm passionate about learning, collaborating, and making a positive impact through technology. My leadership experience in robotics clubs and success at inter-college competitions have shaped me into a proactive, creative problem solver ready for new challenges.

TECHNICAL SKILLS

- **Programming:** Java, Python, JavaScript, HTML, CSS
- **Frontend:** React.js, HTML5, CSS3, Tailwind CSS
- **Backend:** Node.js, Express.js, Django, FastAPI
- **Database:** MongoDB, SQL
- **Tools:** Git, Postman, Socket.io, Cloudinary
- **AI/ML:** ML, TensorFlow, OpenCV, Computer Vision
- **App dev:** Flutter

PROFESSIONAL EXPERIENCE

Web Developer Intern
Career Corps

November 2022 - February 2023

- Maintained and updated Career Corps website, ensuring optimal performance and user experience
- Identified and resolved frontend bugs across multiple client websites, improving overall functionality and user interface
- Debugged frontend issues and implemented fixes for various client projects, enhancing website reliability and performance

EXTRA-CURRICULAR & TECHNICAL ENGAGEMENTS

Open Source Contributor
Open Connect India

July 2024 - Present

- Contributed to MERN stack and Django-based open source projects, implementing new features and optimizing codebase.
- Developed AI/ML solutions and machine learning models for community projects, focusing on computer vision and data analysis.

Coordinator, Grobots Robotics Club
SRMCEM

October 2024 – April 2025

- Led the Grobots club as coordinator, organizing and mentoring robotics teams for college and external competitions.
- Organized the Gantavya robotics event at SRMCEM, a major college-level robotics competition.
- Participated in robotics events at IIIT Gwalior, SRMS Bareilly, IIT Jodhpur, and IIT Roorkee.
- Worked with teams on war bots (8kg, 15kg, 30kg, 60kg), drones, RC boats, soccer bots, and race bots.

EDUCATION

University of Lucknow
BCA. - Computer Applications
SGPA: 6.9

2022 - 2025

KEY PROJECTS

- **Mentor Management System with AI Features:**
  - AI-powered answer generation for mentors using a pre-trained Qwen language model.
  - Real-time translation of questions and answers in multiple languages using a custom translation API.
  - Interactive dashboards for students and mentors with analytics and seamless user experience. [GitHub] *Tech:* Django, SQLite, Qwen LLM, Bootstrap, JavaScript, AJAX
- **Real-Time Chat Application Platform:**
  - Real-time messaging with Socket.io and image sharing via Cloudinary integration.
  - User authentication, profile management, and online/offline status tracking.
  - Modern, responsive UI with React, Vite, and Tailwind CSS. [GitHub] *Tech:* React, Vite, Tailwind CSS, Socket.io, Express, MongoDB, JWT, Cloudinary
- **AI-Powered Potato Disease Classification System:**
  - Upload potato leaf images and get real-time disease classification using a deep learning CNN model.
  - FastAPI backend for image analysis and prediction; React frontend for modern, responsive UI and image upload.
  - Supports classification of Early Blight, Late Blight, and Healthy leaves with confidence scoring. [GitHub] *Tech:* Python, TensorFlow, FastAPI, React, Vite, Keras

CERTIFICATIONS & ACHIEVEMENTS

- **Code Cubicles 2.0 Hackathon:** Honorable Mention
- **Google Cloud Platform:** Cloud Jam certificates
- **Postman API Development:** Completion certificate