JIYA SINGH

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SUMMARY

B.Tech. in Computer Science and Engineering (3rd Year), seeking for Internship.

TECHNICAL SKILLS

Programming Languages: Java, C++, Python, PHP, HTML, CSS, JavaScript
Data Structure & Algorithms (DSA)
Web Development: Frontend (HTML5, CSS3, JavaScript), Backend (PHP), Responsive Design
Database Management: MySQL
Machine Learning & Data Science: Python (Pandas, NumPy, scikit-learn), Data Preprocessing, Model Training & Evaluation
Tools & Technologies: Git, VS Code, WAMP

PROJECTS

Visitor Gate Pass System – VGPS (for BHEL Jhansi)   May 2025 – Jun 2025
Web-Based Security Management System   *HTML, CSS, JavaScript, PHP, MySQL, WAMP*

- Designed and implemented a secure web-based system for managing visitor access at BHEL Jhansi
- Developed role-based login portals for Admins and Security Personnel with password-protected access
- Enabled Admins to pre-register visitors through a dynamic form, with auto-generated unique visitor and day pass numbers.
- Built Security Portal for real-time visitor verification including ID proof upload, live photo capture, and printed gate pass issuance.
- Created a MySQL-backed system to store and update all visitor data and verification statuses across checkpoints
- Integrated features like pre-registration, real-time status updates, view/edit controls, and audit-ready visitor logs
- Enhanced physical security and digital accountability with QR code-ready printable passes and access tracking

MediPred – AI-Powered Disease Prediction System   Jan 2025 – April 2025
Machine Learning Web Application   *Python, Flask, scikit-learn, Pandas, TypeScript, HTML, CSS*

- Developed a full-stack ML web app for disease prediction based on user-inputted symptoms
- Trained and deployed ML models to detect diabetes, Parkinson's, heart disease, and mental illness
- Designed a user-friendly interface for quick, accessible health diagnostics
- Ensured high prediction accuracy and seamless interaction between frontend and backend

Farmify – Farm Management System   Aug 2024 – Jan 2025
Full-Stack Web Application   *HTML, CSS, JavaScript, Node.js, MongoDB, OpenWeatherMap API*

- Developed a responsive farm management website with real-time crop scheduling, inventory tracking, and weather monitoring.
- Built backend using Node.js and MongoDB to store crop data, schedules, and inventory records
- Integrated OpenWeatherMap API to fetch real-time weather data for better crop planning
- Created an interactive chatbot to assist users with crop schedules, soil health, and navigating the platform

EXPERIENCE

Vocational Summer Trainee   **May 2025 – June 2025**
BHEL (Bharat Heavy Electricals Limited)   *Jhansi, U.P., India*

• Developed a Web-Based Visitor Gate Pass System (VGPS) to manage and track facility visitor entries
• Implemented secure role-based login for Admins and Security Personnel using PHP and MySQL
• Integrated live photo capture, ID proof upload, and auto-generated visitor pass numbers
• Streamlined visitor verification and pass printing processes across multiple checkpoints

EDUCATION

Bachelor of Technology in Computer Science and Engineering   Expected 2027
VIT Bhopal University, M.P.   Current CGPA:9.03

Class XII   22/07/2022
Mahatma Hansraj Modern School, Jhansi, U.P.   Percentage: 88%(Aggregate)

Class X   15/07/2020
Sun International School, Jhansi, U.P.   Percentage: 94%(Aggregate)

CERTIFICATIONS

• Certificate of Robotics conducted by Techkriti'24, Annual Technical and Entrepreneurial festival, IIT Kanpur
• Certificate of Artificial Intelligence conducted by Techkriti'24, Annual Technical and Entrepreneurial festival, IIT Kanpur
• Awarded with the certificate of achievement for the successful completion of SAWIT.AI Learnathon Program held on   21st September 2024; supported by Women Techmakers Google for Developers and HCLTech
• Certificate of Python (Basic) by HackerRank
• Certificate of Problem Solving (Basic) by HackerRank
• Certified in the Beginning C++ Programming - From Beginner to Beyond course from Udemy platform
• Certified in the Introduction to Artificial Intelligence (AI) – IBM from Coursera