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/Vishnu-Pratap

TECHNICAL SKILLS

- PYTHON
- DJANGO
- MACHINE LEARNING
- SQL
- GIT, GIT HUB

SOFT SKILLS

- TEAM LEADERSHIP
- EFFECTIVE COMMUNICATION
- PRESENTATION SKILLS
- PROBLEM SOLVING

EDUCATION

- Bachelor of Technology in Artificial Intelligence & Machine Learning:**
Sagar Institute of Research and Technology (SIRT), Bhopal CGPA: 8.12, Aug 2021 - June 2025
- Secondary Education:**
Golden Bright Career H.S. School, Ichhawar - 12th Grade - Percentage: 63.40%
- Vishwa Jyoti Convent School, Ichhawar - 10th Grade - Percentage: 81%

INTERESTS

- Writing
- Research
- AI Tools
- Prompting
- Canva

LANGUAGES

- English
- Hindi

Vishnu Pratap Singh Rajput

SUMMARY

Machine Learning Engineer and AI developer with expertise in Python, Django, and predictive analytics. Experienced in building ML models and web applications with a track record of leading technical projects and delivering innovative solutions.

EXPERIENCE

AI Application Developer (Intern) | Virtuon AI Pvt. Ltd. | Feb 2025 – April 2025

- Completed a 2-month internship focused on AI-driven solutions in the healthcare and fitness domains.
- Conducted deep research on Indian healthcare apps, identified technological gaps, and explored Remote Photoplethysmography (rPPG).
- Designed and trained deep learning models (CNNs, Transformers) for real-time heart rate estimation, achieving MAE of 1.94 bpm and R^2 score of 0.978 on benchmark datasets.

Co-Founder & Product Developer | Paniwala(Startup) | Jul 2022 – Dec 2023

- Paniwala - Water Bottle Ordering & Distributor Management Platform
- Led the ideation, product design, and development planning of a platform for managing water bottle ordering and distribution.
- Conducted field research, market validation, and vendor interaction to shape a problem-solving, scalable solution.
- Secured multiple awards, including Top 20 at IIT Roorkee Innowave
- 1st place in hackathons at JLU Bhopal and SISTec Bhopal.
- Attained copyright protection, demonstrating innovation and originality.

PROJECTS

CROP YIELD PREDICTION - A machine learning model for crop yield prediction.

Machine Learning | Python | Random Forest | Weather API | 82% accuracy

- Built a model to predict crop yield, profit, and duration using Random Forest.
- Integrated Weather API and user inputs like soil nutrients, crop type, and location.

VN MUSIC - A music streaming and upload platform.

Django | Python | HTML | CSS |

- Created a music streaming platform with user login, profile management, and music uploads.

STUDY VP - A study room platform for students.

Django | Python | HTML |

- Designed a study room platform where students share notes and create subject room, and course sharing.

CERTIFICATIONS

Machine Learning and AI Workshop | IBM | IIT Roorkee | March 2023 .

Web Development using Django Framework | Cybrom Technology Pvt. Ltd.

DBMS with MySQL | Sheryians Coding School .

POSITION OF RESPONSIBILITY

Convener | Training & Placement (T&P) Department |SIRT Bhopal

Coordinated 10+ placement drives and assisted 150+ students in preparation.

Coordinator | National Hackathon | SIRT Bhopal

Organized hackathons & conducted sessions for 300+ college students on Web Development related topics.

Led event planning, promotion, and execution with a focus on outreach to other colleges.

ACHIEVEMENTS AND AWARDS

1st Runner-Up: SAGE Utsav Ramp Walk – Awarded for showcasing confidence and collaboration in a cultural event.

Best Student Award: For exemplary academic performance, leadership, and extracurricular contributions.

Best for Coordination: For successfully organizing and promoting a National Level Hackathon with 300+ participants.