Ishan Chintaman Jawale

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EXPERIENCE

2023-Present   **MACHINE LEARNING, IOT, BLOCKCHAIN, AND CYBER SECURITY (MIBCS) CLUB**   Nashik, Maharashtra
Treasurer and Core Committee Member

- Managed financial operations and budgeting for the Machine Learning, IoT, Blockchain, and Cyber Security (MIBCS) Club, ensuring efficient fund allocation and financial transparency
- Engineered and led a two-day event featuring five technical competitions, drawing over 300 participants and showcasing cutting-edge technologies
- Spearheaded multiple technical workshops and events throughout the year, covering AI, IoT, Blockchain, and Cybersecurity, enhancing members' technical knowledge and engagement
- Collaborated with team members and faculty to execute high-impact events, resulting in increased club activities and member participation by 30%

PROJECTS

2022-2023   **SMART IRRIGATION SYSTEM (FIRST YEAR PROJECT)**
IOT and ML

- Developed an IoT-based smart irrigation system using cloud-connected sensors to monitor soil moisture and weather conditions in real time
- Created a crop recommendation model utilizing environmental data, optimizing water usage and enhancing crop management efficiency
- Successfully tested the system on a small farm, demonstrating a 40% reduction in water usage and improved crop yield efficiency

2024   **SPROUT APP**
ML and API Integraion

- Engineered "Sprout," an innovative mobile application for environmental sustainability, providing users with recommendations for tree planting and connecting them with NGOs.
- Utilized Java for front-end development and integrated Firebase for real-time data management, leveraging Gemini API for environmental insights
- Achieved seamless integration of location tracking and data analysis features, resulting in a user-friendly interface and a robust tool for environmental action

2023-present   **NONPROFIT WEB APP DEVELOPMENT (ONGOING PROJECT)**
Database and ML Integration

- Collaborating on the development of a web application for a nonprofit organization, focusing on patient database management and automated reminders
- Implementing secure data storage and real-time notifications using Java and SQL, aiming to streamline patient interactions and administrative processes

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EDUCATION

2022-present   **K.K. WAGH INSTITUTE OF ENGINEERING EDUCATION AND RESEARCH**   Nashik, Maharashtra
Bachelor of Technology (BTech), Computer Engineering

- **Awards:** 2nd Place in Campus to Corporate, an event by CSI Student Chapter
- **Relevant Coursework:** AI, Data Structures, DBMS, C++, C, Operating Systems, Computer Architecture
- **Leadership:** Core Committee Member and Treasurer, MIBCS Club.
- **CGPA:** 9.00/10

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Java, Python, SQL
- **Machine Learning & AI Tools:** TensorFlow, OpenCV, Keras, Scikit-Learn
- **Data Tools:** Pandas, NumPy, Matplotlib, Excel
- **Version Control:** Git, GitHub

OTHER

- Languages: Marathi (Native), English (Advanced), Hindi (Intermediate)
- Certifications: National Programme on Technology Enhanced Learning (NPTEL): C++ (2023), Microsoft Azure AI Fundamentals (2023), Machine Learning Specialization - Coursera (Ongoing)
- Hobby: Playing Flute, Karate (Black Belt), Reading