Shivdeep Bisurkar

✉ sbisurkar@hawk.iit.edu 📞 3129275336 📍 Chicago, Illinois in linkedin.com/in/shivdeep-bisurkar/

🪪 PROFILE

Results-driven software developer with 2+ years of experience at Accenture. Recognized as a champion of innovation and problem-solving, winning prestigious robotics and hackathon competitions. Proficient in a wide range of programming languages and frameworks, focused on delivering robust and efficient software solutions. Proven leadership skills demonstrated as Chief Web Developer and Associate Editor for a college club. Seeking a software developer role to leverage expertise in developing cutting-edge solutions. Committed to exceeding client expectations by driving innovation through technical prowess and creativity.

🎓 EDUCATION

Master in Computer Science, *Illinois Institute of Technology, Chicago*   Jan 2023 – present

BTech in Electronics Engineering, *Walchand College Of Engineering, Sangli, India*   Aug 2016 – Sep 2020

💼 PROFESSIONAL EXPERIENCE

Accenture, Pune, India | Dec 2020 - Dec 2022
- Started as an Application Development Associate and promoted to Application Development Analyst in June 2022.
- Proficient in Salesforce-platform, Force.com app, SAAS, PAAS, Apex, Lighting Component Framework, Visualforce pages, Salesforce Lightning Flow, SQL, Report, Dashboard, validation rule, Record type, sharing rules & OWD.
- Comprehensive understanding of CRM business processes, including Campaign Management, Account Management, and Case and Escalation management.
- Experience in Agile-Scrum methodology for testing.
- Skilled in designing, preparing, and executing test cases, and managing test cases and defects using Jira.
- Experienced in Smoke, System, Integration, Functional, and Regression Testing.

Fiat India Automobiles Pvt Ltd, Pune, India | Jan 2020-Mar 2020

- Intern in the 'Car Division' department, working on the 'Industrial Monitoring System using LORA Module' project as part of a wireless sensor network.
- Monitored various assembly-line functions using Image processing techniques and addressed issues with PLC ladder logic programming.

🧠 SKILLS

Programming Language (C, Java, Python) | **Web Technology** (HTML, CSS, Javascript) | **Version Control** (Git)

Database (MySQL, PostgreSQL) | **Tracking and Management Tool** (JIRA)

📁 PROJECTS

Mocking Bot, *(E-yantra 2018, organized by IIT Bombay)*
- Designed an entertainment robot that uses supervised learning to identify musical instruments from audio files.
- Implemented audio processing techniques such as Fourier transform and MFCC algorithm for categorizing musical notes.
- Utilized ATmega2560 controller and mechanical settings (Servo motors Development Board, capacitive touch sensor-MPR121) for instrument performance.

Autonomous Vessel Navigation in Confined Waters, *Smart India Hackathon, organized by Government of India*
- Developed a TensorFlow and MQTT-based solution for vessel maneuvering in shallow water.
- Utilized ultrasonic sensors and webcam for input data, which was processed on a server using convolutional neural networks and CPU power.
- Deployed the model using TensorFlow Serving and communicated with Raspberry Pi for navigation instructions.

Planter Bot, *E-yantra 2017, organized by IIT Bombay*

- Designed a robot to automate seedling and sapling plantation in agriculture.
- Implemented Python programming and image processing techniques for accurate path detection and seedling placement.

IoT Air Pollution Monitoring System
- Developed a low-cost intelligent system to monitor air pollutants in real-time using sensors MQ-135, MQ-7, and LM-35.
- Established communication between Arduino Uno and ThingSpeak via an Ethernet shield.

Smart Rahadari with E Challan, *IICDC, organized by Texas Instruments*
- Developed a system to locate accidents and notify nearby nodes based on traffic conditions.
- Implemented important safety features, including speed and seat belt detection.
- Assisted in automatic toll collection and issuing fines for traffic rule violations.
- Demonstrated skills in intelligent transportation systems and traffic management technology.

⊚ ACHIEVEMENT

- Winner in E-Yantra-2018 among 28,000 teams (IIT Bombay)
- Semi-finalist in E-Yantra-2017
- Finalist for Siemens MakeITReal Hackathon
- Finalist in the hardware round of Smart India Hackathon
- Quarter-finalist in India Innovation Challenge Design contest
- Finalist of μ-tron, Technocart
- Top 20 finalist of WCE Hackathon
- Best mechanism design Award in Roboholic