# SHIVANI
## Software Developer

## CONTACT

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## SKILLS

### Data Structures and Algorithms

- **Programming Languages**:
  Proficient in C++, Python, Java, SQL, JavaScript, and TypeScript
- **Frameworks & Libraries**:
  Experienced with React, Node.js and MERN
- **Developer Tools**:
  Skilled in using Git, GitHub, VS Code and Docker

### Technical Expertise

- **Machine Learning & AI**:
  Experienced in Clustering, Artificial Neural Networks, Random Forest, Recurrent Neural Networks, Large Language Models

## CERTIFICATION

- Deploy applications with Azure DevOps (Microsoft, 2024)
- The Ultimate React Course 2023: React, Redux & More (Udemy, 2023)
- Introduction to C++ by New York University (NYU, 2022)

## ACHIEVEMENTS

- Excelled in GSSoC, earning a 1000 points badge.
- Achieved a 5th rank in the Consultathon by BITS Pilani.
- Served as ML Sub-Head for GDSC UIET, Chandigarh, curating 10+ workshops and organizing 3 hackathons.

## WORK EXPERIENCE

**Semiconductor Laboratory, Mohali**  2024/07 - 2024/06
Software Developer Intern

- Spearheaded a 50% enhancement in the wet etching process transformation on the SEZ01 tool, achieving a 25% increase in efficiency and a 15% reduction in defects.
- Utilized software development engineering (SDE) skills to design and implement automated solutions, significantly improving process control and data analysis, and reducing analysis time by 40%.

**Wrappiod, Kolkata**  2024/06 - 2024/04
SDE

- Optimized application performance by developing high-efficiency C++ modules, resulting in a 60% increase in processing speed and a 30% reduction in computational complexity through the implementation of advanced algorithms.
- Collaborated with senior team members to modernize legacy code, significantly enhancing user experience and reducing load times by 40%.

**AMTRON, Guhawati**  2024/03 - 2023/01
Dashboard Developer

- Built a cutting-edge Project Monitoring Dashboard with 15+ engineers, visualizing 50+ projects, reducing reporting time by 40%, and improving accuracy 25%.
- Boosted stakeholder engagement by 70% and strengthened data integrity by refining data visualization tools, which enhanced project performance navigation accuracy by 85%.

## PROJECTS

### Online Code Compiler

- Developed and deployed Online Code Runner, a web-based editor supporting C++ and Python, handling over 1,000 daily executions with React and Node.js.
- Integrated GCC compiler, Python interpreter, and MongoDB to provide robust functionality and reliability, achieving a 95% execution success rate.
- Ensured a seamless user experience by optimizing performance and scalability for consistent and efficient usage.

### MarketMax

- Designed and implemented a sleek UI with a multi-point slider, accelerating navigation speed by 40% and boosting user satisfaction.
- Upgraded filtering mechanisms, cutting query processing time by 50% and driving a 30% increase in user engagement.
- Enhanced interactive features, resulting in a 25% increase in session duration and a 35% improvement in user retention.

### Workforce Tracker

- Streamlined employee management for 100+ staff by introducing real-time activity tracking and an intuitive dashboard, cutting task allocation time by 40%.
- Ensured 99.9% system uptime to support uninterrupted operations and boost reliability.
- Developed and launched a scalable web app with modern technologies, boosting operational efficiency by 50% and handling 10,000+ interactions monthly.

## EDUCATION

B.E in Electronics and Communication Engineering  (2025-2021)

UIET Panjab University, Chandigarh

(8.09/10.00 CGPA)