

# Shivani Bhandari

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Punjab, India

## Education

UIET Panjab University, Chandigarh

Jun 2021 - May 2025

Bachelor of Engineering in Electronics and Communication Engineering

## Experience

Pisoft Informatics Pvt Ltd, Mohali

Apr 2024 - Jan 2025

Software Engineer

- Revamped the main website of [Pisoft Informatics Private Ltd](#), enhancing its performance, user experience, and search visibility. These improvements led to smoother navigation, faster load times, and increased user engagement.
- Designed and implemented scalable, client-focused projects, ensuring seamless integration with business operations.
- Focused on maintaining high availability, optimizing system reliability, and improving application efficiency to support critical business functions.

AMTRON, Guhawati

Jan 2023 - Mar 2024

Dashboard Developer

- Developed and implemented a dynamic [Project Monitoring Dashboard](#) in collaboration with engineers, streamlining project tracking, management, and reporting for improved workflow efficiency.
- Optimized data visualization tools to enhance stakeholder engagement, enabling clearer insights, better collaboration, and more informed decision-making.
- Refined data processing methods to strengthen accuracy and integrity, ensuring seamless project tracking, improved navigation, and precise performance evaluation.

## Projects

### Online Code Compiler

- Architected and deployed a full-stack Online Code Runner, seamlessly integrating C++ and Python support within a web-based editor for real-time code execution.
- Engineered a robust backend with GCC, Python interpreter, and Docker containers, ensuring isolated and secure execution environments.
- Leveraged MongoDB for efficient data storage and retrieval, optimizing performance and scalability for a seamless user experience..

### TwinProtocol

- Engineered a dynamic suite of interactive and responsive components using React, TypeScript, Tailwind CSS, MUI, shadcn, and Zustand, optimizing performance and enhancing user engagement.
- Integrated AI, Blockchain technologies, and REST APIs to ensure secure operations and seamless user interactions.
- Designed and implemented intuitive interfaces for creating, publishing, and training AI twins, incorporating interactive chat functionalities for an enhanced user experience.

## Technical Skills

- Languages:** Java, Python, C++, JavaScript, TypeScript, SQL
- Technologies:** React.js, Vue.js, jQuery, Node.js, Express.js, Flask, MongoDB, AWS, Kafka
- Developer Tools:** Git, GitHub, VS Code, Linux, Docker and CI/CD Pipeline
- Concepts:** Compiler, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, Machine Learning, Neural Networks, API, Database Normalization, Agile Methodology, Cloud Computing

## Certification and Achievements

- Deploy applications with Azure DevOps (Microsoft, 2024)
- The Ultimate React Course 2023: React, Redux & More (Udemy, 2023)
- Excelled in GSSoC, demonstrating exceptional problem-solving skills and active contribution.
- Secured a top rank in the prestigious Consultathon by BITS Pilani, showcasing strategic thinking and analytical expertise.
- Led as ML Sub-Head for GDSC UIET, Chandigarh, curating impactful workshops and successfully organizing multiple hackathons to foster innovation and learning.