SHIVAAN SHARMA

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EDUCATION

Graphic Era Hill University, Bhimtal **2022 – 2026**
B.Tech CSE with Specialization in Machine Learning and AI - **CGPA - 8.11** *Bhimtal, Uttrakhand*

Sri Dashmesh school, Bazpur **2021 – 2022**
Class 12th - **Percentage - 82.0** *Bazpur, Uttrakhand*

Sri Dashmesh school, Bazpur **2019 – 2020**
Class 10th - **Percentage - 89.0** *Bazpur, Uttrakhand*

TECHNICAL SKILLS

Languages: Java, C++, JavaScript, Python, SQL

Technologies/Frameworks: HTML5, CSS3, React, MongoDB, Express,Node.js, TensorFlow, Keras

AI/ML Tools: Machine Learning, Deep Learning, Google Colab, OpenCV, Scikit-Learn, Pandas, NumPy

Developer Tools: VSCode, Colab, Jupiter notebook, VIM

Soft Skills: Communication, Organization, Teamwork, Problem-solving, Critical Thinking, Time Management, Leadership

EXPERIENCE

Technology Business Incubator, (TBI-GEU) 🔗 **July 2024 - October 2024**
Role - Fullstack Developer *Dehradun, Uttrakhand*

- Learned and Implemented **Websites, Backend servers, Node environment, Redux**
- Working on various projects using various coding methodologies.
- Develop a User-friendly question and answer platform with essential features.
- Implemented user authentication, search functionality.
- Handle the Database and created a responsive front-end using **HTML, CSS and JavaScript.**

PROJECTS

BabuLang: Custom Programming Language 🔗 | C++, NASM, Compiler Design **2025**

- Designed **BabuLang**, a Hindi-inspired programming language with C-like syntax.
- Implemented a **recursive descent parser** and **compiler backend** using NASM and LD.

Red-Light Green-Light Game 🔗 | Three.js, JavaScript, Ml5.js **2024**

- Developed an AI-powered game inspired by Squid Game using **body pose recognition**.
- Integrated **Three.js animations** for real-time tracking and dynamic gameplay.

Handwritten Digit Recognition 🔗 | Python, NumPy, Flask, Next.js **2024**

- Built a **fully connected neural network from scratch** (no TensorFlow/PyTorch).
- Achieved **92% accuracy** on MNIST and deployed a **Flask API + Next.js UI**.

Music Streaming Platform 🔗 | React, Node.js, MongoDB **2023**

- Secured authentication with **JWT**, reducing unauthorized access by 25%.
- Designed a **responsive UI** that increased user retention by 15%.

EXTRACURRICULAR

Participant, Walmart Sparkathon 🔗 | **Aug. 2024**

- Participate in competitive programming events hosted by Walmart, working with diverse teams to solve real-world business problems**.** Gain experience using machine learning and AI to develop solutions to business problems.