# Diya Matani

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## Education

**VIT Bhopal University**, BTech in Computer Science               Sept 2022 – Ongoing
- GPA: 8.77/10.0

**D.A.V. Public School**, 12th Standard               Apr 2020 – May 2021
- Percentage: 93.6%

**D.A.V. Public School**, 10th Standard               Apr 2018 – Mar 2019
- Percentage: 87.8%

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## Experience

**Software Development Intern, BLG Technologies (P) LTD|** *Python, Flask*        Dec 2024 – Mar 2025
- **Built and deployed** a production-grade Hostel Management Portal in **Flask & Python** – handled authentication, room-allocation logic, fee tracking, and admin dashboards; system is live at https://hostels.deekshaclasses.com/admin
- **Contributed to the development and deployment of ataljijanamshatbdivarsh.in** – worked and contributed on backend development made in **Python and Flask**.
- Ensured seamless **feature** deployment within **Agile workflows** by providing robust support for debugging, version control, and documentation.
- Actively participated in daily reviews and **sprint planning**, fostering stronger team coordination and a deeper understanding of the **software lifecycle**.
- Boosted **code reliability** and maintainability through **unit tests**, bug fixes, and refactoring legacy components.

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## Projects

**Algo Mind**| *Python, HTML, CSS*
- Led the creation of a mental health assessment platform, **offering personalized support via a** validated depression symptom questionnaire.
- Developed and deployed a **responsive, interactive frontend,** drastically improving user experience and engagement on all devices.
- Implemented **secure, anonymous submission methods,** encouraging honest self-assessment and broadening access to crucial mental health resources.

**AI Voice Chatbot** | *Machine Learning, NLP, Speech Recognition*
- Developed a conversational AI chatbot capable of understanding and responding to voice inputs using and enabled seamless human-computer interaction by **integrating intent recognition, context tracking**, and dynamic response generation
- Achieved a **92%** accuracy rate in **real-time voice responses**, enhancing accessibility for users through voice- based assistance.

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## Achievements
- Holder, **Limca Book of Records and Indian Book of Records** for outstanding performance at Trendz Abacus, recognized nationally for exceptional mental arithmetic skills.

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## Certifications
- **Applied Machine Learning in Python (Coursera)** – Dec 2023
- **Cloud Computing (NPTEL)** – Apr 2024

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## Technologies
- **Languages:** Python, C
- **Core Concepts:** Data Structures and Algorithms, Object-Oriented Programming (OOP)
- **Technologies & Tools:** Git, GitHub, Visual Studio Code
- **Frameworks/Libraries:** Basics of Machine Learning, Familiarity with standard Python libraries (NumPy, Pandas)