

# NAYAN BEBALE

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## EDUCATION

Sage University Indore

BTech Information Technology

CGPA: 8.36

Indore, Madhya Pradesh, India

February 2021 - June 2025

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## TECHNICAL SKILLS

**Programming Languages:** Python, C, C++, SQL

**Libraries and Tools:** PyCharm, Sklearn, Tensorflow, Pandas, Numpy, OpenCV, Matplotlib, Seaborn

**Web Technologies:** Django, Flask, Rest API's, HTML, CSS, JavaScript, Bootstrap

**Database:** MySQL, SQLite, DjangoORM

**Courses:** OpenCv Bootcamp, 100 Days of Code: Python Pro Bootcamp, Databases with Python.

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## WORK EXPERIENCE

### Machine Learning Intern

Sage University Indore, Indore, India

June 2023 - Oct 2023

- **Project: "Realization of Image in 3D using Holoportation for Human Brain System into 3D Anatomy."**
- **Algorithm Research & Development:** Conducted **extensive research** on various **algorithms** for **point cloud processing**, contributing to the **development of a 3D brain model with a 72% accuracy rate**.
- **Volume Rendering:** Implemented **volume rendering techniques** to convert **2D MRI datasets into 3D Model**, enabling **better visualization of the human brain system in 3D**.

### Python Development Tutor

Self-Employed, Indore, India

Nov 2023 - Feb 2024

- **Developed and Delivered Curriculum:** Created a **comprehensive Python curriculum**, covering beginner to **advanced topics**, resulting in a **95% satisfaction rate among students**.
- **Hands-On Coding Sessions:** Conducted **over 50 personalized coding sessions**, enhancing students' **practical skills** and **boosting their coding proficiency** by 40%.

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## PROJECTS

- **Udyog Sarthi - AI-powered Web Platform for Disability Inclusion** Sep 2023 - Dec 2023
  - **Developed a platform** to connect **disabled individuals** with **education and job opportunities**.
  - **Boosted user engagement by 40%. Reduced data breaches by 15%.** Provided personalized **course recommendations, job suggestions, and content delivery**. [Github](#)
- **SmartSaver - Best Mutual Funds for You** Feb 2024 - March 2024
  - **Developed a platform** for **middle-class families** to identify **top-performing mutual funds with 92% accuracy**.
  - Integrated **financial tools** like the **50-30-20 income split calculator** and **SIP calculators for age-based investment planning**. [LINK](#) [Github](#)
- **CineMatch - Personalized Movie Recommendation App** May 2024 - June 2024
  - **Created a web application** offering **personalized movie recommendations** using **real-time data** from the **TMDb API**.
  - **Integrated secure user authentication** and managed a **comprehensive movie database**, including **titles, ratings, and reviews**. [LINK](#) [Github](#)

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## ACHIEVEMENTS

- **Finalist in SIH 2023 and Hack'dore**, with participation in **4 competitive hackathons**.
- Holds a **patent** for "**System and Method for Automatically Generating an Application Platform Based on User's Requirements Using IoT**" (Issued: **12 May 2023**).
- **Organized and coordinated** college events, served as **Placement Coordinator**, and received a **silver medal** in the Best Poster Competition.