Dhananjay Bile

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EDUCATION

Vishwakarma Institute of Technology	Pune, Maharashtra
Bachelor of Engineering - ENTC: Avg. CGPA of 6 sem : 8.4	*June 2021 - June 2025*
Tatyasaheb Musle Jr college	Kolhapur, Maharashtra
JUNIOR COLLEGE(HSC) : 12th Board Exam : 93 percent	*June 2019 - June 2021*
Sanjeeevan Public School, Panhala	Kolhapur, Maharashtra
HIGH SCHOOL(CBSE) : 10th Board Exam : 83.4 percent	*June 2021*

TECHNICAL PROJECTS

- **POWER TOOLS FINDER** :
  - An app that allows user to recognize Power tools at workshops through their images and it's details through AI response to their prompt .
  - Developed a mobile application utilizing TensorFlow Lite for real-time image recognition to 90 percent accurately identify a 50 different types of industrial power tools.
  - Integrated an AI-driven suggestion system that improved tool selection efficiency by 30 percent and which recommends alternative tools based on user input, considering factors like size, material, and price.

- **PARKINSONS DISEASE PREDICTION SYSTEM** :
  - Implemented machine learning techniques in Python and developed a user-friendly interface using Streamlit web design.
  - Model Performance: Constructed a predictive model with an AUC-ROC score of 0.92, facilitating early-stage Parkinson's disease detection.
  - Facilitated doctors in diagnosing and treating their 100 plus patients effectively.

- **CPU Scheduling Algorithm Visualization**:
  - Developed a visualization tool for comparing CPU scheduling algorithms, featuring 5 key metrics (completion time, turnaround time, waiting time, response time, and context switches) across 6 different scheduling algorithms.
  - ool Coverage: The tool includes 10+ visual aids such as Gantt charts, timeline charts, and performance comparison charts, making algorithm performance analysis more intuitive.

TECHNICAL SKILLS

- **Languages**: C++, JAVA, SQL,HTML, CSS, JavaScript.
- **Developer Tools**: VS Code, Android Studio, jupyter Notebook, .
- **Coursework**: Data Structures, Algorithms, Object Oriented Programming, Database Management Systems, Operating Systems.
- **Soft Skills**: Good Communication, Problem-Solving,Design Thinking

CODING PROFILE

- **Problem Solving**:
  - Leetcode - Solved 200+ Questions of DSA and 50+ Questions of DBMS.
  - CodeChef - Solved 100+ Questions of Competitive Programming.

ACHIEVEMENTS

- **BlackRock Hacknight Hackathon (2024)**:
  - Certificate of Achievement, Secured 1st Runner-Up in a 24-hour hackathon Conducted By BlackRock

- **CodeFlix '23 Hackathon (2023)**:
  - Top 5 - CodeFlix '23 by Computer Society of India

- **CodeZest Coding Competition (2023)**:
  - Among Top 5 Teams in CodeZest Coding Competition

- **ACTIVE PRATICIPANT IN MUSKAAN**:
  - Volunteering , Social Welfare and Development Committee, providing educational support and assistance to children at an orphanage.