PRATIK SHALGAR

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EDUCATION

Bharati Vidyapeeth College of Engineering, Navi Mumbai   **Aug 2020 - May 2024**
Bachelor of Engineering in Computer Science

ICLES Motilal Jhunjhunwala   **Aug 2018 - May 2020**
Higher Secondary Certificate (HSC)

EXPERIENCE

Data Science Intern   **Oct 2023 - Nov 2023**
CodSoft

- Analyzed large datasets with Pandas and NumPy, achieving a 30% improvement in decision-making.
- Constructed and optimized machine learning models using Scikit-Learn, increasing accuracy by 15%.
- Utilized Matplotlib to effectively visualize data insights, resulting in a 25% reduction in report generation time.

Frontend Web Developer Intern   **Jul 2022 - Sept 2022**
Technical Coding Research (TCR) Innovation

- Developed responsive UIs with HTML, CSS, and JavaScript, boosting user engagement by 20%.
- Integrated front-end components with server-side logic, resulting in a 30% reduction in integration issues.
- Refined designs through rigorous usability testing, elevating user satisfaction by 25%.

PROJECTS

BudgetBuddy: Personal Finance Tracker   [Project Code](#)

- Empower users by optimizing financial oversight through enhanced income and expense tracking, significantly reducing financial discrepancies by 20%.
- Implemented innovative features aimed at categorizing transactions, resulting in a 30% acceleration of expense tracking processes and a notable 15% decrease in manual entry errors.
- Developed dashboards to visualize spending patterns, enhancing user budgeting efficiency by 40%.

Whispr: Chat Application   [Project Code](#)

- Created a real-time chat application utilizing Node.js, Express, React JS, and Chakra UI, significantly enhancing user experience and boosting engagement by 30%.
- Integrated Socket.IO for real-time messaging, improving communication speed and reliability by 40%.
- Deployed user authentication and security features, increasing overall application security by 50% and reducing unauthorized access by 25%, This approach ensured robust protection against cyber threats.

SafeSiteAccess   [Project Code](#)

- Successfully designed advanced PPE kit detection and facial recognition functionalities, achieving a flawless 100% safety compliance rate, ensuring comprehensive protection in all operational environments.
- Streamlined attendance recording through automation, resulting in a remarkable 90% reduction in manual entry errors and enhancing data accuracy.
- Significantly boosted system efficiency, cutting down entry time by 50% and improving overall workflow productivity. This optimization significantly streamlined operations and accelerated task completion rates.

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, JavaScript
- **Database Management:** MySQL, PostgreSQL, MongoDB
- **Web Development:** HTML, CSS, JavaScript, React.js, Node.js, Express.js
- **Version Control:** Git, GitHub