

Shivam Barkule

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 [shivambarkule](#) |  [shivambarkule](#) |

Sai Nagar, Kondhwa-Budruk, Pune-411048

OBJECTIVE

Engineering student passionate about Web Development and UI-UX. Seeking opportunities to apply technical skills in software development and Web Development to solve real-world problems and contribute to innovative projects in a growth-oriented environment.

EDUCATION

- **BRACTS Vishwakarma Institutes of Information Technology** November 2022 - June 2026
B.Tech (Current CGPA: 7.9) Pune, India
- **Sant Tukaram College** 2022
12th (HSC, 81.5%) Parbhani, India
- **Scottish Academy** April 2020
10th (SSC, 93.6%) Parbhani, India

PROJECTS

Prediction of Piezoelectric Charge Coefficient in Porous Ferroelectric Materials

- Developed ML models (Random Forest, Gradient Boosting, SVR) to predict piezoelectric charge coefficient (d33) in porous BTO materials, achieving R^2 up to 0.9972.
- Tools: Python, Scikit-learn, Pandas, NumPy, Matplotlib

Exam Environment Management System using MERN Stack

- Devised a Web-app for exam conduction and administration consisting a syncing Admin and Client portal.
- Tools: MongoDB, Express.js, React.js, Node.js, Firebase.

PUBLICATIONS

Incentivizing Sustainable Behaviour using Blockchain for Ecofriendly Transportation.
Innovative Scientific Approaches and Digital Methods for Autism.

SKILLS

- **Programming Languages:** Python, Java, JavaScript, Typescript, SQL
- **Web Development:** React.js, Node.js (Express), HTML/CSS
- **Cloud/DevOps:** AWS (Basic), Git/GitHub, Docker
- **Tools/Frameworks:** VS Code, Postman, REST APIs, Cursor, Smartsheet
- **Soft Skills:** Agile/Scrum, Problem-Solving, Teamwork, Leadership

EXPERIENCE

- **Vice President** September 2024 - May 2025
Information Technocrats Students Forum, VIIT
- **Graphic Designer** September 2023 - February 2024
Entrepreneurship Development Cell, VIIT
- **Membership Development Director** July 2024 - May 2025
Rotaract Club of VIIT, Pune

CERTIFICATIONS

Fundamentals of Deep Learning by NVIDIA Deep Learning Institute
IBM Full Stack Software Developer by IBM-Coursera
Decision Trees, Random Forests, AdaBoost & XGBoost by Udemy
Smartsheet Tutorial for Beginners by Coursera
Learn Algorithms and Data Structures in Java for Day-to-Day Applications by Infosys Springboard
AWS Academy Graduate by AWS Academy Cloud Foundations