

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

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|---|---|
| • BRACTS Vishwakarma Institutes of Information Technology
<i>B.Tech (Current CGPA: 7.9)</i> | <i>November 2022 - June 2026</i>
Pune, India |
| • Sant Tukaram College
<i>12th (HSC, 81.5%)</i> | 2022
Parbhani, India |
| • Scottish Academy
<i>10th (SSC, 93.6%)</i> | April 2020
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 (d_{33}) 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
<i>Information Technocrats Students Forum, VIIT</i> | <i>September 2024 - May 2025</i> |
| • Graphic Designer
<i>Entrepreneurship Development Cell, VIIT</i> | <i>September 2023 - February 2024</i> |
| • Membership Development Director
<i>Rotaract Club of VIIT, Pune</i> | <i>July 2024 - May 2025</i> |

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