

Sahebjot Singh Bandeshah

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EDUCATION

K. J. Somaiya Institute of Technology

Bachelor of Technology in Information Technology | CGPA: 8.4/10

Mumbai, Maharashtra

2023 – 2027

Arya Gurukul, Kalyan

CBSE – Class XII: 84.4%

Kalyan, Maharashtra

2023

Arya Gurukul, Kalyan

CBSE – Class X: 88.8%

Kalyan, Maharashtra

2021

PROJECTS

EcoSnap | *Python, AI/ML, Computer Vision, React*

2025 – Present

- Developing an AI-powered sustainability platform focused on identifying and addressing real-world environmental and waste-management problems
- Designed image-based workflows to analyze waste and environmental conditions and convert observations into actionable insights
- Building an end-to-end platform combining AI-assisted analysis, sustainability tracking, recommendations, and user engagement
- Developing EcoSnap as a potential startup product with a focus on scalable technology and real-world environmental impact

Agrinexus | *Python, AI/ML, React, Django, Data Science*

2026

- Developed an all-in-one AI agriculture platform designed to provide data-driven insights for crop management and agricultural decision making
- Integrated machine learning and agricultural data workflows to generate actionable crop-related recommendations
- Designed a unified software platform combining agricultural intelligence, predictive analysis, and user-facing insights

Kora | *React, Python, AI/ML, Life Cycle Assessment*

2026

- Developed a Life Cycle Assessment and circular-economy platform for the mining and metallurgy sector as an SIH problem solution
- Designed a guided workflow and visual process canvas for modelling industrial production processes and evaluating environmental impacts
- Focused on carbon footprint, energy consumption, water footprint, waste generation, and sustainability analysis across major metals

ACHIEVEMENTS & CERTIFICATIONS

ACM KJSCE Hackathon: Secured **7th place** in the hackathon, competing against 36 student teams with a technology-driven solution.

AWS: Earned the **Introduction to Generative AI** badge, demonstrating foundational knowledge of Generative AI concepts and applications.

TECHNICAL SKILLS

Programming: Python, Java, JavaScript, PHP, SQL

Web Development: React.js, Node.js, Express.js, Django, HTML5, CSS3, MERN Stack, REST APIs

AI / Machine Learning: TensorFlow, PyTorch, Scikit-learn, Hugging Face Transformers, NLP, RAG, BERT, Embeddings, Neural Networks

Machine Learning Concepts: Linear Regression, Logistic Regression, Support Vector Machines, K-Means Clustering, PCA, Gradient Descent, Regularization, Model Evaluation

Databases: PostgreSQL, MySQL, SQLite, SQL, DBMS

Developer Tools: Git, GitHub, GitHub Actions, Docker, Google Colab, Jupyter Notebook

Data Science: Data Preprocessing, Exploratory Data Analysis, Feature Engineering, Statistical Fundamentals

Other: Life Cycle Assessment, Basic Cryptography (Fernet), Photoshop, Premiere Pro, Microsoft Office