

MOSAM SANJAY BISWAS

1002/17, Regency Estate, Dombivli (East), Maharashtra 421203

✉ mosambiswas999@gmail.com

in linkedin.com/in/mosambiswas

github.com/BiswasMosam

🌐 mosambiswas.me

Career Objective

Aspiring software developer with a keen interest in programming, AI, and software development. Skilled in Python, problem-solving, and collaborative project work. Looking to contribute to innovative tech solutions while continuously learning and growing.

Education

Ramrao Adik Institute of Technology, D. Y. Patil Deemed to be University <i>B.Tech in Computer Engineering (Major: Artificial Intelligence and Data science), CGPA: 5.8</i>	July 2022 – Present <i>Navi Mumbai, India</i>
Narayana Junior Collage Kalyan(HSE) <i>12th Grade, Percentage: 60.83%</i>	August 2020 – May 2022 <i>Mumbai, India</i>
Omkar International School (ICSE) <i>10th Grade, Percentage: 88.20%</i>	June 2010 – March 2020 <i>Mumbai, India</i>

Projects

PixelForge , Techstack(<i>Python, PyTorch, CNNs, GANs</i>)	December 2025
<ul style="list-style-type: none">Built a medical image classification pipeline on the C-NMC Leukemia dataset, achieving 84% accuracy, 0.90 ROC-AUC, and 95% recall for Leukemia detection.Designed a custom GAN with spectral normalization and hinge loss to generate synthetic cell images for privacy-preserving data augmentation.Augmented the training dataset with GAN-generated images to improve model robustness and generalization under limited medical data.	
MindFirst , Techstack(<i>Python, Next JS, Flask, Prisma, NextAuth, Tailwindcss</i>)	April 2025
<ul style="list-style-type: none">Developed a mental health detection platform used by over 100+ students to identify potential disorders through chatbot and psychometric analysis with 95% accuracy.Integrated NextAuth for secure user flow and personalized mental health reports, reducing user drop-off by 30%.Enhanced front-end experience for smoother navigation and improved mental health support access.	
Sim Sim , Techstack(<i>Python, PySide6</i>)	May 2024
<ul style="list-style-type: none">Built a desktop-based AI assistant with GUI for daily automation tasks such as web search, reminders, and app launches.Leveraged PySide6 to design a seamless GUI mimicking a real-time conversational experience.Achieved 70% faster task execution compared to manual input by integrating voice commands and real-time conversational GUI.	
Committee Connect , Techstack(<i>Android Studio, XML, JavaScript</i>)	December 2023
<ul style="list-style-type: none">Created a mobile app to streamline workflows for 8+ college committees, managing 50+ members with real-time task and meeting tracking.Reduced meeting scheduling conflicts by 40% and improved member accountability through digital attendance logs.Enabled real-time participation tracking and streamlined coordination.	

Research & Publications

- Comparative Analysis of Psychometric Data for Assessing Mental Health Testing Needs Using Machine Learning Models**
Presented at the **2nd International Conference on Artificial Intelligence for Innovations in Healthcare Industries (ICAIHI 2025)**.

Technical Skills & Certifications

Languages: Python, Java, C, C++, HTML/CSS, JavaScript
Frameworks: TensorFlow, Flask, React, Next, Latex
Tools: Git, SQL, PowerBI
Technologies: Deep Learning, AI, Machine Learning

GDSC Rait Android Compose Camp
AWS: AWS Academy Graduate: Machine Learning
EDX: Generative AI
CSI Rait: Industrial Approach to Java
RAIT ACM: HackToberFest

Leadership

Photo Circle RAIT <i>Technical Head</i>	July 2024 – July 2025 <i>Navi Mumbai, India</i>
<ul style="list-style-type: none">Led the Technical Operation of the club, including managing photography equipment and organizing events.Orchestrated 3 on-campus workshops attracting 75+ students, 4 photography-focused "photo walks" averaging 20 attendees, and 2 inter-college competitions increasing club participation by 60%.Contributed to club growth and visibility through media handling and planning.	

Hobbies

Cinephile, photography, gaming