

Biswajit Mahapatra

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EDUCATION

- | | |
|---|--|
| <ul style="list-style-type: none">• B-Tech in Computer Science and Engineering (spec. AI & ML)
GITA Autonomous College, Bhubaneswar
2022 – Present (exp. 2026) | 8.32 (till 5 th Sem) |
| <ul style="list-style-type: none">• Higher Secondary Education (+2 Science)
College of Basic Science & Humanities, Bhubaneswar
2020 – 2022 | 77 % |
| <ul style="list-style-type: none">• Secondary Education
CEMS, Khordha | 89 % |

PROFILE SUMMARY

A driven and enthusiastic undergraduate pursuing a **Bachelor of Technology in Computer Science & Engineering** with a specialization in **Artificial Intelligence & Machine Learning**.

- Proficient in **Python, UI/UX Design (Figma), Canva Design, and Front-end Development (React)**, with a focus on delivering seamless and engaging user experiences.
- Demonstrated ability to **conceptualize, design, and deliver projects efficiently**, showcasing leadership, teamwork, and problem-solving skills throughout the software development lifecycle.
- Committed to continuous learning and professional growth by staying updated with **emerging technologies, frameworks, and industry trends**.
- Passionate about **innovating and contributing to dynamic teams**, with a strong focus on delivering impactful, user-centered solutions in high-repute organizations.

PROJECTS

JARVIS AI

Tools: *Python, GUI, Web & API interaction, System & OS interaction, ML & Natural Language Processing, Web Automation*

Responsibilities:

- Developed the GUI using PyQt5, creating a visually appealing and intuitive user interface.
- Implemented speech recognition, text-to-speech, for having voice interaction with the application.
- Managed the task automation and user assistance using various Python libraries.
- Utilized Multithreading to ensure the assistant remains responsive and handle errors gracefully while performing tasks.

Paint Program

Tools: *OpenCV, Python*

Responsibilities:

- Developed a simple paint application for drawing and image processing.
- Integrated Implemented color selection and basic drawing tools.

UBER Landing Page

Tools: *UI/UX design, FIGMA*

Responsibilities:

- Used elements of FIGMA
- Minimal Wireframing skills

PORTFOLIO

Tools: *React, JavaScript, HTML, CSS, Framer*

Responsibilities:

- Designed and built a responsive portfolio website.
- Integrated Framer for minimal motion graphics and smooth UI interactions.

[Portfolio-link](#)

BEATAURA – Music Streaming App

(Currently Working)

Tools: *Figma, UI/UX Design, Prototyping*

- Designed a modern, vibrant music streaming app focusing on user experience and smooth interactions.
- Created high-fidelity prototypes with Figma, including login flows, loading animations, and dynamic music feed.

Vehicle Type Classification & Indian License Plate Recognition App

(Currently Working)

Tools: *Python, OpenCV, YOLOv5, OCR, React Native*

- Designing and developing a real-time image recognition app for classifying vehicles and capturing vehicle registration numbers.
- Integrated **real-time camera input** using OpenCV for seamless image acquisition and processing.
- Focused on **Indian license plate formats**, implementing OCR techniques and preprocessing for accurate number extraction.
- Applied object detection models (YOLOv5) for precise vehicle type classification and combined it with character recognition for license plate analysis.

EXTRA CURRICULAR & CERTIFICATION

- Earned certifications in **Web Development** and **Python Development**, demonstrating proficiency in web technologies and Python programming and project management.
- **Tata Data Visualization: Empowering Business with Effective Insights Job Simulation on Forage - January 2025**
 - Completed a simulation involving creating data visualizations for Tata Consultancy Services
 - Prepared questions for a meeting with client senior leadership
 - Created visuals for data analysis to help executives with effective decision making
- **AIG Shields Up: Cybersecurity virtual experience program on Forage - February 2025**
 - Completed a cybersecurity threat analysis simulation for the Cyber Defence Unit, staying updated on CISA publications.
 - Researched and understood reported vulnerabilities, showcasing analytical skills in cybersecurity.
 - Drafted a clear and concise email to guide teams on vulnerability remediation.
 - Utilized Python skills to write a script for ethical hacking, avoiding ransom payments by brute forcing decryption keys.

SKILLS

Programming & Development:

- Python, HTML/CSS, SQL, React
- Web Development & Hosting
- Software Development
- Figma, Canva (UI/UX Design)

Tools & Software:

- Git, VSCode, Tableau, Postman

Data & Analytics:

- Data Analysis, Data Visualization, Data Interpretation

- Charts & Graphs, Dashboards, Analytics & Insights
- Data Cleanup

□ **Soft Skills:**

- Effective Communication, Analysis & Presentation
- Problem Solving, Strategy, Design Thinking
- Research