

Saivamshi Jilla

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EDUCATION

Vidyavardhini's College of Engineering and Technology, Mumbai University |

Cumulative GPA: 7.52

Bachelors in Computer Engineering | Expected Graduation: May'2026

Relevant Coursework:

Discrete Mathematics, Graph Theory, Engineering Mathematics, Data Structures and Algorithms, C Programming

SKILLS

Languages: Python, Embedded C, C, Html, CSS, JavaScript, MySQL

AI/ML Frameworks: TensorFlow, Keras, IBM Watson

Data Science & Analytics: Data Cleaning, Data Transformation, Data Visualization, Model Training, NLP (Natural Language Processing)

Tools & Technologies: Tkinter, NLTK, YOLO, Bluetooth Communication

Web Development: Web Scraping, User Interface Design, Data Validation, File Handling

Robotics & IoT: Object Detection, Computer Vision, Shortest Path Planning, Autonomous Systems

EXPERIENCE

Encryptix

Online

AI Intern

July'2024 – Present

- Developed AI-driven projects such as a recommendation system, a face recognition module, and a chatbot, utilizing machine learning algorithms and frameworks like TensorFlow and Keras.
- Implemented AI models for practical applications, enhancing problem-solving skills and deepening understanding of neural networks and model optimization.
- Gained hands-on experience in deploying AI solutions, learning about the importance of model evaluation, performance tuning, and user interaction design in AI systems.

Next24Tech

Online

Python Developer

June'2024 – July'2024.

- Created a GUI-based Registration Form using Tkinter, focusing on user interface design, data validation, and file handling in Python.
- Developed a Lyrics Extractor leveraging web scraping techniques and Natural Language Processing (NLP) to extract and analyse song lyrics.
- Built a Beginner-level Chatbot using Python's NLTK and other libraries, learning about chatbot architecture, intent recognition, and improving coding efficiency.

Edunet Foundation

Online

AI Intern

June'2024 – July'2024.

- Explored Data Analytics Processing, gaining foundational knowledge in data cleaning, transformation, and visualization, which are essential for AI model training.
- Worked with IBM Watson Platform, learning how to integrate cloud-based AI tools into projects, enhancing capabilities in natural language processing and chatbot development.
- Built a data-driven chatbot, deepening understanding of AI model training and fine-tuning, particularly in managing conversational AI with large datasets.

Team Yantrika (Robotics Committee)

Mumbai, Maharashtra

Research and Development Head

Sept'2023 – Present

- Leads research for the adoption of new technology and equipment to improve the committee's operations
- Managed and guided a team in development of robotic systems for diverse projects, ensuring alignment with strategic objectives.
- Taught and mentored team members on various ML and Robotics concepts, fostering skill development and collaboration

International E-Yantra Robotics Competition, IIT Bombay

Online

Team Member

Aug'2023 – Feb'24

- We successfully secured 29th rank out of 400 international participants
- Collaborated in a team of 4 utilizing Machine Learning (Object Detection) and Computer Vision for Project Development

PROJECTS

Autonomous War-Torn Navigation System | [Project Link](#)

Oct'23 – Feb'24

- Provide better alternative to rescue people from a war-torn region by using object-detection model and shortest path planning algorithm that would be computed over the drone and communicated over to the bot
- Utilized YOLO's object detection prowess, the object detection model undergoes transfer learning for precise classification of images such as fire, destroyed buildings, military vehicles, etc.
- Used Bluetooth Communication to transfer the path to the bot. The path was created using a very unique path planning algorithm where the values were given on the nodes itself and not on the edges

ACHIEVEMENTS AND EXTRACURRICULAR ENGAGEMENT

- Won **First Prize** in Embedded Systems and Micro-controller National Level Product Showcase
- Won **Second Prize** in Web Development using AI in College's Competition