

# DEBJIT MANDAL

✉ debjitmandal8925@gmail.com ☎ (+91) 8335024039  
🌐 debjit.is-a.dev 🌀 mysticdebjit in mysticdebjit

## EDUCATION

---

**Kalinga Institute of Industrial Technology, Bhubaneswar, Odisha**  
B.Tech, Computer Science and Engineering

2022 - 2026  
CGPA: 9.12

## EXPERIENCE

---

### CAMPUS AMBASSADOR, IMUNA

JULY, 2023- AUGUST, 2023

- Promoted IMUN Online Conferences in different schools/universities and got 10+ registrations.
- Best Intern for a week.

## PROJECTS

---

- **DSH:** Command-Line shell made using C++.
  - Implemented custom command parsing for user-defined commands.
  - Handled concurrency with multithreading for running background processes.
- **Brain Tumor Detection:** A project that leverages deep learning techniques to automate the detection of brain tumors from MRI images.
  - Utilized Convolutional Neural Networks (CNN) for image classification.
  - Deployed the model using TensorFlow for real-time analysis.
- **CIFAR-10 ResNet Classification:** A project which focuses on classifying images from the CIFAR-10 dataset using a Residual Network (ResNet) architecture.
  - Designed and trained a deep Residual Network (ResNet) model for image classification.
  - Implemented data augmentation techniques to enhance model robustness.
- **TrafficVisionAI:** Real-Time Traffic Sign Recognition and Driver Assistance using AI.
  - Integrated traffic sign recognition using TensorFlow and OpenCV.
  - Developed lane detection and collision warning systems.
- **MoodMelody:** Real-time emotion detection and content recommendation system.
  - Implemented emotion recognition using TensorFlow/Keras.
  - Integrated Spotify API for personalized music recommendations.

## SKILLS

---

- **Programming Languages:** Python, JAVA, C/C++, JavaScript, Rust, Go
- **Web Technologies:** HTML, CSS, React.js, Node.js, Django
- **Tools:** Git, Docker
- **Frameworks & Libraries:** TensorFlow, OpenCV, scikit-learn, Pandas, NumPy
- **Databases:** SQLPlus, MongoDB