Aditya Raj Biswal

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Professional Summary

Computer Science and Engineering student specializing in AI & ML with a strong foundation in problem-solving and data structures. Passionate about developing creative solutions using machine learning and generative AI. Experienced in generative AI tools and front-end development, with a keen interest in applying AI to real-world challenges.

Education

VIT University, Chennai, India 2023 - Present
Bachelor of Technology in Computer Science and Engineering (AI & ML) CGPA: 8.4/10.0 (First 4 Semesters)

The Achievvers Jr. College 2021 - 2023
High School Percentage: 91.4%

Professional Experience

ML Intern – Machine Learning May 2025 - Present
AnkerCloud, Bangalore, India Banglore, India

- Developed and deployed traditional ML and generative AI models for 3+ client projects, focusing on automation and predictive analytics
- Implemented data visualization pipelines to derive actionable insights, improving client decision-making processes
- Integrated ML solutions with SaaS connectors on Google Cloud Platform, while also exploring cybersecurity practices during model deployment

Web Development Head Nov 2024 – June 2025
Robotics Club, VIT Chennai Chennai, India

- Led a development team to build and maintain full-stack web applications for club events and hackathons using React, HTML, CSS, and JavaScript
- Spearheaded the design and launch of event platforms, improving participant engagement and club visibility
- Coordinated cross-functional teams to ensure smooth collaboration, technical mentorship, and successful project delivery

Technical Projects

Robotics Club Website Dec 2024 - Dec 2024
GITHUB | LINK

- Developed & deployed a website in 4 days using HTML, CSS, and JavaScript, highlighting the Robotics Club's events, goals
- Integrated dynamic event listings, smooth UI animations, and mobile-friendly design for enhanced user experience
- Hosted the website on Vercel and managed code via GitHub, ensuring clean and collaborative development

Breast Cancer Detection using CNN and SimCLR May 2025 - Present
GITHUB

- Built a histopathological image classification pipeline using both Supervised CNNs (ResNet50, MobileNet, VGG18) and Self-Supervised SimCLR to detect breast cancer
- Deployed computer vision algorithms for medical image preprocessing, extracting 15+ key biomarkers
- Utilized the BreaKHis dataset to classify tumors into benign or malignant, optimizing performance through fine-tuning and transfer learning
- Designed experiments to compare model accuracy across learning paradigms, delivering insights into representation learning for medical imaging

Liver Disease Detection using CNN (YOLOv5 Format) May 2025 - Present
GITHUB

- Engineered a multi-class classification model using CNNs in PyTorch to detect liver diseases (ballooning, fibrosis, inflammation, steatosis) from annotated images
- Structured and processed datasets in YOLOv5-compatible format with bounding box annotations, enabling image augmentation and scalable pipelines
- Leveraged libraries like OpenCV, Torchvision, NumPy, and YAML for preprocessing, visualization, and efficient training workflows

Technical Skills

Programming: Python, Java, C++, C, JavaScript, SQL

Machine Learning: TensorFlow, PyTorch, Scikit-learn, OpenCV

Web Technologies: HTML5, CSS3, React.js, Node.js, Express.js

Platforms: Linux, Windows, Git, Docker

Domains: Computer Vision, Data Analysis, GEN AI

Cloud: AWS, Google Cloud Platform

Languages

English: Professional Working Proficiency

Oriya: Native Speaker