

ANKIT RAJ

+91 9006345822 ankitrajlogin@gmail.com [LinkedIn](#) [Github](#) [Portfolio](#) [Patna, Bihar](#)

Education

National Institute of Technology Silchar (NIT Silchar)

Assam, India

Bachelor of Technology - Electronics and Instrumentation Engineering; CGPA: 8.66

July 2021 - June 2025

Work Experience

Juspay

Bengaluru, Karnataka

Associate Software Developer Intern

Jan 2025 - July 2025

- Completed Haskell training and worked on integrating merchants with the backend using multiple Gateways for Partial TPV mandates, enabling recurring payments.
- Tested and validated APIs of merchants and payment gateways, identifying and handling edge cases and errors.
- Debugged and modified API request bodies to ensure proper data transmission as per merchant requirements.

Accenture

Gurugram, Haryana

Advanced App Engineering Analyst Intern

May 2024 - July 2024

- Optimized Small and Large Language Models (SLM, LLM) for tasks such as question answering and summarization, achieving a 15% increase in accuracy and reducing average response times by 30%.
- Developed and fine-tuned a RAG(Retrieval augmented generation) model that improved context analysis efficiency by 20%, significantly enhancing information retrieval processes.
- Executed comprehensive debugging tasks for FullStack applications, resolving 70% of identified issues, which contributed to a reduction in application bugs.
- Acquired foundational knowledge in Low Code No Code, Cyber Security, UI/UX, and Cloud Overview enabling a comprehensive understanding of modern technology trends and practices.

Projects

AgroGuard: Plant Disease Predictor (ML Project)

[GitHub Link](#)

- Developed AgroGuard, a robust plant disease prediction application utilizing a Convolutional Neural Network (CNN) model trained on 12+ vegetable disease datasets, achieving an impressive 96.8% accuracy rate in disease detection.
- Enhanced the CNN model's precision by implementing advanced data augmentation techniques, increasing the dataset size by 50% and employing hyperparameter tuning, resulting in a 10% improvement in accuracy and reliability.
- Utilized CNN, Numpy, Pandas, Seaborn, Keras, Matplotlib, TensorFlow, APIs, FastAPI, and Git for ML applications.

Alumni Network Platform - NITS (MERN Project)

[GitHub Link](#)

- Designed and implemented a high-performance, full-stack MERN platform connecting alumni, with robust features for post creation, viewing, filtering, and searching across multiple categories, catering to an audience.
- Integrated JWT and Bcrypt for secure authentication and bcrypt for password hashing to ensure a 95% security compliance rate, prevent unauthorized access, and support a responsive UI with dynamic search and filtering capabilities.

Skills

Programming Languages: C++ , C, HTML, JavaScript, CSS, Python, SQL, MATLAB, Simulink, Mongoose

Tools & Technologies: Git, GitHub, Postman, Sklearn, TensorFlow, Node.js, Express.js, React, Redux, Bootstrap

Database and Libraries: MySQL, MongoDB, PostgreSQL, NoSQL, SQLite , Streamlit

Relevant Skill: Power BI, Microsoft Office Suite, LabVIEW, PLCs, Machine learning

Concepts: Data Structures and Algorithms, Object-Oriented Programming(OOP), Database Management Systems (DBMS), Computer Networks(CN), Operating Systems(OS), RESTful APIs, Low Level Design(LLD), High Level Design

Position of Responsibility

Electronics and Instrumentation Society, NIT Silchar

May 2024 - Present

President

- Led a team of 20+ members, leveraging collaboration, effective communication, and interpersonal skills to successfully organize workshops, hackathons, and events, increasing participation by over 30%
- Achieved a 25% rise in sponsorships through strategic relationship-building and leadership, while fostering a positive team environment through conflict resolution and problem-solving.
- Collaborated with the Google Development Student Club to develop the Alpha Crescendo annual flagship event website, reaching over 1,000 students and enhancing user engagement through improved navigation

Honors and Certifications

- Solved 1,000+ DSA** problems on platforms like Codeforces (1327 rating), CodeChef (1682 rating), and LeetCode (1691 rating), showcasing strong problem-solving skills and consistency in competitive programming.
- Secured 1st Position** in the "Pitch Your Way" competition at Tecnoesis 2022.
- Developed a cutting-edge product** designed to minimize human contact with harmful substances in textile dyeing processes, reducing exposure risk by over 75% and improving workplace safety for 100+ workers in the textile industry.