

# Albin John

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## EDUCATION

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**Indian Institute of Information Technology (IIIT) - Kottayam** August 2023 - Present  
*B.tech., Computer Science and Engineering with specialization in AI and Data Science, 4th Sem* CGPA: 8.72

**Sree Narayana Higher Secondary School (SNHSS)** April 2022  
*Grade 12 / School topper* Percentage: 98.4

**St Thomas High School Punnayar (STHS)** April 2020  
*Grade 10 / School topper* Percentage: 99.3

## PROJECTS

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**Polite Email Rewriter – Text Generation AI Model** | Python, Transformers, PyTorch, GPT-2 May 2025

- Fine-tuned a GPT-2 language model to rewrite passive-aggressive or impolite sentences into polite versions using a custom dataset.
- Used Hugging Face's Trainer API with PyTorch to train and evaluate on over 1000 sentence pairs, including tokenization and prompt formatting.
- Integrated a text-generation pipeline for inference and tested the model with real-world examples for tone transformation.

**Spotify Clone – Music Streaming Web App** | React, Vite, Tailwind CSS, Git April 2025

- Developed a responsive and visually appealing music streaming interface using React with Vite and Tailwind CSS.
- Implemented core UI features such as playlists, song cards, navigation, and player controls for a smooth user experience.
- Used Git for version control and collaboration, enhancing code management and deployment readiness.

**Casper - Chatbot Website** | HTML, CSS, JavaScript, Python, Flask August 2024

- Implemented the front-end using HTML, CSS, and JavaScript to create an interactive and user-friendly interface.
- Utilized Python to host and manage the LLM, enabling advanced conversational capabilities.
- Gained practical experience in deploying and hosting machine learning models on a web platform.

**MyHome E-Commerce Website** | HTML, JavaScript, CSS May 2024

- Developed an e-commerce website named "MyHome" to sell home products.
- Implemented front-end features using HTML, JavaScript, and CSS to create a user-friendly shopping experience.
- Gained practical experience in web development and user interface design.

## ACHIEVEMENTS & AWARDS

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- **Developed a Full Stack Disaster Management website** as part of an academic project, demonstrating proficiency in web development technologies.
- Attained **8.75 SGPA** in the recent semester examinations, demonstrating consistent academic excellence.
- Successfully completed a drone workshop conducted by Space Chase, gaining practical skills in drone flying and manufacturing, endorsed with a certificate of completion

- Achieved **97.4 percentile score** in the Joint Entrance Examination 2023, showcasing strong academic performance and aptitude.
- **Ranked 1088 in the KEAM 2023** entrance examination, showing competence and competitiveness.
- Have strong foundation in **Data structures, DBMS** and **Operating System** concepts.

## SKILLS

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**Programming Languages:** C/C++, Python, Java, JavaScript, HTML, CSS, PHP, MySQL.

**Technologies and Frameworks:** React, Vite, Tailwind CSS, Pandas, Scikit-Learn, TensorFlow, Matplotlib, MIPS, Flask, PyTorch.

**Developer Tools:** VS Code, PyCharm, JupyterLab, Github, Git.

**Skills:** Competitive Programming, Data Structures and Algorithms, Web Development.

## RELEVANT CERTIFICATIONS

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- **The complete full-stack web development Bootcamp** (Udemy)
- Supervised Machine Learning: Regression and Classification (Coursera)
- Advanced Learning Algorithms (Coursera)
- Unsupervised Learning, Recommenders, Reinforcement Learning (Coursera)
- Python Libraries for Data Science (Simplilearn)
- Introduction to Data Science (Infosys Springboard)

## LEADERSHIP / EXTRACURRICULAR

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**GDSC (Google Students Developer Club) | Team Member**

*October 2023 - Present*

- Organized and Participated in Multiple Sessions of the Club taken by experts.

**School Leader | St. Thomas High School Punnayar**

*2018-2020*

- Became School leader in 10<sup>th</sup> Grade.
- Was a part of organizing multiple events for the school.

**BSG India | Sree Narayana Higher Secondary School**

*2016-2022*

- Achived Rajyapuraskar and served as Troop Leader in Bharath Scout and Guides.