

BALAKA SAIKRISHNA

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Education

IIIT Kottayam

2022 – 2026

B.Tech in Computer Science and Engineering

Kottayam, Kerala

- Averaging a GPA of 7.56 in five with constant increase from 7.48 to 8.32 in the previous semester
- Courses : Overall of 20+ courses in 3 years including Operating Systems, Database Management Systems, Computer Organisation, Secure Software Engineering and more.

Relevant Coursework

- | | | | |
|------------------------|---------------------------|---------------------|----------------------|
| • Data Structures | • Database Management | • Operating Systems | • Web Development |
| • Algorithms Design | • Artificial Intelligence | • Computer Networks | • Python Development |
| • Software Methodology | • Machine learning | • OOPS | • Linear Algebra |

Technical Skills

Languages: JavaScript, Python, C++, Java

Frontend: React.js, HTML, CSS, Tailwind, Bootstrap

Backend: Node.js, Express.js, REST APIs

Auth & Security: JWT, OAuth

Real-time Tech: WebRTC (learning), Socket.IO

Databases: MongoDB, SQL

Tools: Git, GitHub, VS Code, AWS, GCP

Certifications

- **Supervised Machine Learning: Regression and Classification** *[Certificate]*
- **Advanced Learning Algorithms** *[Certificate]*
- **Unsupervised Learning, Recommenders, and Reinforcement Learning** *[Certificate]*
- **Machine Learning** *[Certificate]*

Projects

Edu-bond | *Reactjs, Nodejs, CSS, Javascript*

Oct-2024

- **Objective:** Developed a user-friendly online learning platform connecting learners with mentors and peers.
- **Details:** The web application allows users to interact with random people for learning specific skills, share educational materials such as PDFs and videos, and engage in real-time communication.
- **Outcome:** Improved the learning experience by providing a platform for interaction, skill-sharing, and knowledge transfer.
- Project repository: [GitHub Repository](#)
- **Summary:** A platform designed to help users learn from peers and mentors through real-time interaction.

AI Code Reviewer | *Node.js, React.js, Google Generative AI API*

June 2025

- **Objective:** Built an intelligent code review assistant that utilizes Google Generative AI to analyze and provide feedback on submitted code snippets.
- **Details:** Developed a full-stack web application that allows users to input their code, which is then reviewed and critiqued by an AI model with suggestions and improvements. Integrated Google Gemini API for natural language feedback.
- **Outcome:** Enabled developers to receive instant, intelligent code review comments, significantly improving code quality and learning experience.
- Project repository: [GitHub Repository](#)
- **Summary:** An AI-powered platform that automates the code review process and assists developers in refining their code using large language models.

Customer Churn Prediction | *Machine Learning*

March 2025

- **Objective:** Developed a machine learning model to predict customer churn using data analysis and predictive modeling techniques.
- **Details:** Preprocessed data, visualized churn patterns, implemented ML models (Logistic Regression, Decision Tree), and optimized accuracy for better predictions.
- Project repository: [GitHub Repository](#)
- **Summary:** A machine learning model to predict customer churn using data analysis, visualization, and ML algorithms, helping improve retention strategies.

Pradhva | *Reactjs*

October 2023

- **Objective:** Built and deployed a React app for Pradhva 2.0, the intra sports meet of Indian Institute of Information Technology Kottayam, streamlining sports category registration.
- **Details:** Created an intuitive interface for efficient participant sorting and event management.
- **Outcome:** Automated registration, reducing errors and enhancing real-time data access for better coordination.
- Project repository: [GitHub Repository](#)
- **Summary:** A sports event management app for smooth registration and participant tracking.

Leadership / Extracurricular

Sports and Inter IIIT Competitions

2023 – 2024

Organizer

- Organized Sports Meet and secured gold medal in college volleyball and cricket tournaments for 3 years.
- Participated in the Inter IIIT held at IIIT Allahabad, which saw involvement from over 25 IIITs across India, and won gold medal in volleyball.

Campus Mart – College E-commerce Portal

2025 – Present

Developer

- Actively contributing to the development of Campus Mart, an internal e-commerce platform for IIIT Kottayam, aiming to simplify the sale and purchase of goods among students.
- Worked on frontend components using React.js and integrated Node.js backend for listing and managing products.