

Vishnu Shaji

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EDUCATION

Amrita University

B.Tech in Computer Science (Artificial Intelligence)

Sep. 2021 – Present

Amritapuri, Kollam

- **CGPA:** 7.84
- **Research:** Deep Learningbased breast cancer subtype classification (published research)

Jyothi Central School

Class XII (Higher Secondary), Percentage: 94.8

Jul. 2021

Kazhakuttam, Trivandrum

Sree Gokulam Public School

Class X (Secondary School), Percentage: 91.2

May 2019

Attingal, Kerala

PROJECTS

Stella Tracker

- Developed a student management system to digitize academic records and streamline institutional workflows using Node.js and MongoDB.
- Built performance analytics dashboards enabling faculty to track student progress and generate dynamic academic reports.
- Implemented secure role-based access control (RBAC) to manage administrative and faculty permissions.

Autograder

- Built an automated short-answer grading platform using semantic similarity techniques for accurate evaluation and feedback generation.
- Designed modular grading pipelines and a teacher-facing interface for scalable assessment workflows.

Summerease

- Developed a YouTube video summarization application supporting multiple languages using FastAPI and React.
- Implemented backend pipelines for content extraction, analysis, and concise summary generation.

KI-67 Classification

- Applied Deep Learning techniques to classify Ki-67 immunohistochemistry slides for breast cancer diagnosis.
- Published a research paper on breast cancer subtype classification based on histopathology images.

CONFERENCE

COCONet 2023 - Presented a paper on Deep Learning classification of Luminal Breast Cancer subtypes from Immunohistochemistry Slides

SKILLS

Languages : Python, Java, JavaScript, HTML, CSS

Frameworks : Django, FastAPI, Node.js, React Native, PyTorch

Databases : MongoDB, MySQL

Tools : Git, GitHub, Render, Postman

Soft Skills : Communication, Adaptability, Cross-Team Collaboration