

Shivam Aralikatti

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SUMMARY

Having recently graduated with a **1st Class Distinction** in B.Tech Electronics and Communication from VIT Vellore and worked in two AI/ML developer roles, I am actively seeking opportunities as a **Data Analyst**.

TECHNICAL SKILLS

Programming Languages: Python, SQL, C++ , Verilog, HTML, CSS, JavaScript

Development Skills: Machine Learning, Deep Learning, Natural Language Processing (NLP)

Tools: Microsoft Office, Power BI, GitHub Actions

EDUCATION

Bachelor of Technology in Electronics and Communication

Sep 2020 – May 2024

Vellore Institute of Technology, Vellore, India

CGPA: 8.0

Coursework: C Programming, Digital Communication, Control Systems, VLSI Systems, Verilog, System Verilog, Object Oriented Programming, Microprocessors and Microcontrollers, Internet of Things , Digital Signal and Image Processing.

EXPERIENCE

ML Research Associate

June 2024 – Present

FLAME University, Pune, India

- Conducted research on medical image analysis using VAE and CNN for class imbalance correction.
- Designed an NLP-based essay evaluator for efficient scoring using Flask and machine learning.

Apprenticeship Trainee

July 2023

National University of Singapore, Singapore

- Developed a CNN-based deep learning model and integrated it into a user-friendly website.
- Enhanced product performance with expertise in NLP, GANs, and Python programming.

PROJECTS

EvalEdge: A Modern Hybrid Essay Evaluator: Designed an automated essay grading system using TF-IDF and RNNs for scoring, with features like grammar analysis, vocabulary richness, sentiment evaluation, plagiarism detection, and AI-generated text identification.

Classification of Endometrial Histopathological Images: This project emphasizes on Medical Image Analysis using a two stage algorithm which includes VAE and CNN to classify the Endometrial Histopathological Images into Cancerous, Non-cancerous or Hyperplasia.

Multimodal Smoking content Moderation for Social Media: Developed a robust regulatory framework for social media to identify and mitigate smoking-related content using machine learning. Using text and image classification models with OCR for precise text extraction, discerning content intent - promotional, neutral, or advisory - to enhance content moderation and automate regulatory mechanisms

Pose Perfect: This project employs PoseNet, a pretrained CNN model for yoga pose estimation and correction of abnormalities of yoga poses of the user. This model was then integrated in a self developed website along with a python based Chatbot for Help and Support.

LANGUAGES AND CERTIFICATES

• **Languages:** English, Hindi, Kannada, Marathi

• **Certifications:** [AI Analyst Certification \(IBM\)](#) | [SQL - Advanced Certification \(HackerRank\)](#)