

K S VIGNESH

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Education

JSS Academy Of Technical Education

Bachelor of Engineering in Artificial Intelligence and Machine Learning (AIML) CGPA:8.3

Dec. 2022 – Present

Bengaluru, Karnataka

Relevant Coursework

- Data Structures
- Software Engineering
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Machine Learning
- Micro-controller and Embedded Systems
- Computer Networks
- Operating Systems

Projects

Image to Text Conversion Using OCR | *Python, OpenCV, Pillow, Tesseract OCR*

Feb. 2025

- Convert text from images into editable formats accurately. .
- Preprocess images to improve OCR accuracy. .
- Allow direct image capture via smartphone for real-time processing. Support multiple languages for OCR. .
- OpenCV: For image preprocessing (grayscale, thresholding, scaling). Pillow (PIL): For handling image formats in the GUI. Tesseract OCR: For extracting text from processed images. .

Loan Approval Prediction | *Python, ML, Scikit-learn*

November 2024

- This project aims to predict loan approval status based on various customer attributes. Using a machine learning model, we preprocess data, select features, and train an algorithm to classify loan approvals effectively
- Automating loan approval processes in banks and financial institutions
- The trained model achieved an accuracy of 92 Percentage with precision and recall scores indicating effective classification of loan approval status. Visualization highlights key predictors .

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, AWS, GitHub, TensorFlow, MongoDB, PowerBI

Technologies/Frameworks: Linux, , GitHub, WordPress, Google Scholar

Certification

JSS Navotthana (24-hour Hackathon)

Computer Network Internet Security by INFOSYS

CODEATHON conducted by Phase Shift 2024 held at BMSCE

AWS Serverless: Sync, Scale, Succeed conducted by Phase Shift 2024 held at BMSCE

Leadership / Extracurricular

ART-HOUSE

Photo/Video editor

Spring 2023 – Present

JSSATE

- * Been editing posters/photos for our college fest "VERVE".
- * Semi-Pro in PhotoShop, Illustrator, PremierPro, Davinci.

AIKYAM

Member

Spring 2025 – Present

JSSATE

- Aikyam is our AIML Branch Fest
- Our team organized one of the biggest Hackathon in our college with over 90 teams and 400+ participants .