

Yugesh K

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EDUCATION

Sri Shakthi Institute of Engineering and Technology

Undergraduate (B.E., Electronics and Communication Engineering)

CGPA: 8.06

Coimbatore, India

AUG 2020 - MAY 2024

Stateboard, Tamil Nadu

Higher Secondary (Computer Science) : 63.3%

Secondary : 84.8%

Tirupur, India

JUN 2019 – APR 2020

JUN 2017 – APR 2018

INTERNSHIPS

Vcodez

Machine Learning Intern

Chennai, India

APR 2025 - JUL 2025

- Applied machine learning knowledge in practice by developing a project using Python, Hugging Face, and Streamlit on Google Colab. Leveraged Streamlit and Colab features to reduce development time by 60%.
- Gained hands-on experience in data preprocessing/cleaning and model design for tasks such as classification and regression. Utilized a Google Colab T4 GPU, reducing training time from 3 days to 30 minutes, saving nearly 3x the time.

Zoho Corporation

Member Technical Staff (MTS) Project Trainee

Chennai, India

JAN 2024 - FEB 2024

- Mastered the fundamentals of web development and Built a project using Java, Ember.js, and PostgreSQL in Eclipse IDE. Harnessed advanced debugging features to streamline error tracking, reducing design time by 40%.
- Grasped REST-API development with Apache Tomcat and Java, enhancing backend functionality. Leveraged Postman to optimize API validation, cutting validation time by 30%.

Mallow Technologies

Junior Developer

Karur, India

JUL 2023 - OCT 2023

- Achieved proficiency in Laravel, Git, Bootstrap, and web development, applying these skills to weekly tasks and a final project. Gained experience in API development and testing with Postman, reducing development time by 15%.
- Spearheaded the redesign of UI elements in collaboration with team members, resulting in a 20% increase in task completion rates and improved user satisfaction during usability testing.

SKILLS

Programming Languages: C, Python, Java

Libraries / Frameworks: jQuery, Ember.JS, Laravel, Bootstrap, Numpy, Pandas, Scikit-learn, Tensorflow

Tools / Platforms: Github, Git, Docker, Windows, Linux, Trello, Postman

Cloud / Databases: MySQL, MongoDB (NoSQL), Amazon AWS

Coursework: Data Structures and Algorithms, Data Science, Cloud Enterprise Systems, AI, Computer Networks, SDLC

PROJECTS

Emotion Detection using DistilRoBERTa | [LINK](#)

AUG 2025

- Built an emotion-detection web application using Python, Hugging Face Transformers (DistilRoBERTa), Datasets, and Streamlit; fine-tuned on the dair-ai/emotion dataset to classify six emotions (sadness, joy, love, anger, fear, and surprise).
- Selected DistilRoBERTa to balance accuracy and efficiency - smaller footprint and 25% faster inference vs. full RoBERTa, improving real-time responsiveness for the Streamlit UI.
- Tokenized with distilroberta-base and used datasets.map() with batching, padding, and truncation to streamline preprocessing and reduce data preparation time by 50%.

Mini CRM | [LINK](#)

OCT 2023

- Created a web application using Laravel, MySQL, and Bootstrap, incorporating the Laravel-lang library to support five languages, breaking down language barriers for a diverse user base.
- Integrated Bootstrap UI, saved UI design time by 40%, and optimized initial page load time for a better user experience.
- Implemented JWT-auth to improve security and authentication efficiency, saving development time by 20%.
- Utilized PEST for streamlined testing, achieving an 80% reduction in testing time.
- Incorporating lazy loading and eager loading techniques to enhance database query performance, resulting in a 10% overall improvement in application speed.

CERTIFICATES

AWS Cloud Quest: Cloud Practitioner | [CERTIFICATE](#)

AUG 2024

- Learned cloud computing concepts through AWS Cloud Quest by applying knowledge of AWS EC2, AWS VPC, Amazon RDS, DynamoDB, Amazon S3, and AWS Billing & Cost Management.

Technical Support Fundamentals | [CERTIFICATE](#)

AUG 2022

- Understood the workings of a CPU and the flow of code execution in a CPU from compiling to execution, including Control Unit, Memory Unit, ALU, and Arithmetic operations on bits and bytes.