

# VIGASHINI G P

Chennai, TamilNadu

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🐙 [Github](#)

[portfolio](#)

[Leetcode](#)

## Education

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### Bannari Amman Institute of Technology

March, 2023

Bachelor of Engineering in Electronics and Communication (GPA: 8.84 / 10)

Erode, Tamil Nadu

- **Relevant Coursework:** Data Structures and Algorithms , Problem Solving (Python), Computer Networks, Database Management Systems

## Experience

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### Kaar Technologies- Trainee

July 2022 – Present

#### Invoice Detection using OCR

Chennai, Tamil Nadu

- Spearheaded the development of a user-friendly dashboard interface using React.js, ensuring seamless navigation and interactive user experience. .
- Engineered a robust pipeline for invoice image preprocessing, including noise reduction and image enhancement techniques.
- Implemented OCR algorithms to extract textual data from scanned invoice images with high accuracy.
- Received positive feedback from end-users for streamlining invoice processing workflows and reducing manual effort.

#### Application of Sales forecasting and Visualization

- Directed the development of a sales forecasting and visualization application, leveraging expertise in React JS, Python, and Machine Learning.
- This initiative resulted in a significant 20% improvement in sales prediction accuracy.
- Demonstrated comprehensive knowledge of the entire application development lifecycle, including design, development, testing, and deployment in cloud environments.
- Collaborated closely with cross-functional teams to integrate diverse data sources and enhance the application's functionality.

## Projects - [Github](#)

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### Novel Cyber Attack Detection Using Hybrid DL | Flask, CNN, MLP, and LSTM.

- Led the implementation of the proposed system, combining Flask and deep learning models to create a robust network intrusion detection solution.
- Collaborated with cybersecurity experts to ensure the system effectively identified and mitigated unauthorized access, including insider threats. .

### Translator App | Python, Streamlit, pytorch

- Led the creation of a Streamlit web app for seamless translation of Arabic documents to English.
- Integrated the powerful MBart model from Hugging Face Transformers for accurate Arabic-to-English translations.
- Implemented support for PDF, TXT, and DOCX file formats, ensuring flexibility for users to translate documents in their preferred format.

### CafePoint- Resturant App | HTML, CSS, Javascript, ReactJS

- Developed a modern and responsive restaurant app, utilizing React.js and Material-UI components.
- Designed and implemented a dynamic menu display, allowing users to browse through the restaurant's offerings with ease.
- Leveraged React.js to create interactive components, enhancing user engagement and navigation experience.

## Technical Skills

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**Languages:** Python, Java, JavaScript

**Technologies:** ReactJS, HTML, CSS, Django, Spring Boot, PySpark, jQuery, Bootstrap, Flask, Node JS , REST API,JSON

**Softwares:**GitHub, Git, Visual Studio code, IntelliJ Idea, Postman

**Database:** DBMS, SQL, Oracle, MongoDB

**Cloud Services:** Microsoft Azure, Oracle cloud Infrastructure

**Concepts:** Object-Oriented Programming (OOPS), Data Structures, Algorithms, Agile Methodology, Machine Learning, Neural Networks, Database Normalization, Cloud Computing

**Soft skills:** Problem Solving, Error Handling, Coding and Debugging, Automation, Product management skills, Commitment, communication skills, diagnostic skills, Team oriented,

## Certifications

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- Azure Data Fundamentals
- Oracle Cloud Infrastructure Foundational Associate
- Java Explorer

## Acheivements

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- Patent publications - Child health monitoring device in borewell - Government of India
- paper publication in Springer
- Lowe's India DareToCompete finalist among top 50th