

# MURUGAVEL V

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## OBJECTIVE

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Aspiring Python Developer passionate about scalable backend systems and AI-driven applications. Experienced in optimizing performance, integrating APIs, and delivering data-driven solutions. Committed to continuous learning and innovation.

## EDUCATION

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<b>B.Tech Artificial Intelligence and Data Science (Pursuing)</b> Hindusthan Institute of Technology CGPA: 8.89	NOV 2022 – MAY 2026
<b>Higher Secondary Certificate</b> P.A.C.M.Hr.Sec.School Percentage: 89.33	SEP 2021 – May 2022
<b>Secondary School Leaving Certificate</b> P.A.C.M.Hr.Sec.School Percentage: 89.33	JUN 2019 – May 2020

## COMPETENCIES

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### Technical Skills

- Python
- Django, Flask
- Machine Learning
- Core Java
- C, C++
- SQL
- Figma
- Git and GitHub

### Soft Skills

- Smart Worker
- Collaborator
- Adaptable
- Communicable
- Creative
- Attentive

## PROJECTS

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### SmartKart

- Built a full-stack e-commerce website using Django, enabling 100+ products, secure checkout, and seamless cart management. Implemented MySQL for efficient data handling, reducing query response time by 40%
- Tools Used: Python, Django, MySQL

### Liver Cancer Detection

- Developed an ML model with 85% accuracy for liver cancer detection using Scikit-Learn. Engineered key features to improve model performance and optimized hyperparameters to reduce false positives by 20%.
- Tools Used: Python, Machine Learning, Scikit-learn

### Customer Churn Prediction

- Created an ML-based customer churn prediction system, increasing retention rates by 15%. Analyzed customer behavior from a dataset of 10,000+ records and implemented classification models for accurate predictions.

- Tools Used: Python, Machine Learning, Scikit-learn, Streamlit

#### **Landing Page**

- Designed a visually appealing, responsive landing page in Figma, prioritizing clean UI/UX and accessibility. It features a hero image, a clear call-to-action button, and product details, ensuring a seamless experience across devices.

- Tools Used: UI/UX, Figma

#### **News App**

- Designed a news app prototype with interactive animations. Implemented micro interactions to improve user engagement.

- Tools Used: UI/UX, Figma

#### **Scientific Calculator**

- Designed a scientific calculator in Java with an integrated isPrime() function that efficiently checks primality for large numbers using an optimized algorithm. Implemented advanced arithmetic, trigonometric, and logarithmic functions, ensuring accurate and responsive calculations.

- Tools Used: Android Studio, Java

### **CERTIFICATIONS**

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**Google Cloud** - Prompt Design in Vertex AI Skill in the context of AI & ML

**Google Cloud** - Introduction to GenAI

**AWS Training and Certification** - Public Sector in AI & ML

**Microsoft and LinkedIn** - Career Essentials in Software Development.

**NPTEL** - The Joy of Computing Using Python

### **INTERNSHIP EXPERIENCE**

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**Data Science Intern**, Technohacks EduTech

JUN 2022

- Developed and implemented data analysis models to extract actionable insights.
- Utilized machine learning techniques to enhance predictive accuracy.
- Collaborated with cross-functional teams to support data-driven decision-making.

**UI/UX Intern**, Cognifyz Technologies

JUL 2022

- Designed intuitive UI and interactive prototypes to enhance user experience.
- Conducted user research and usability testing to gather feedback and refine design solutions.
- Collaborated with developers and stakeholders to ensure seamless implementation of design concepts.

### **LANGUAGES KNOWN**

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- English
- Tamil