

ANTONY RAJU

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PROFESSIONAL SUMMARY

Aspiring Full-Stack Web Developer with hands-on experience in Python, Django, React.js, MySQL, and modern web technologies. Strong foundation in object-oriented programming, data analytics, machine learning, and the software development lifecycle. Skilled in database management, software testing, and application analysis. Experienced in AI workflows, customer segmentation techniques, and e-commerce analytics. Committed to developing scalable, secure, and high-performance applications with a focus on user experience and data-driven decision making.

TECHNICAL SKILLS

Programming Languages:	Python, PHP, C, C++, Java, JavaScript
Web Technologies:	HTML, CSS, Django, React.js, Flask, Bootstrap
Databases:	MySQL, SQL, SQLite
Data Analytics & ML:	Pandas, NumPy, Scikit-learn, K-Means Clustering, RFM Analysis, Market Basket Analysis (Apriori)
Tools & Platforms:	Git, GitHub, MS Office, VS Code
Languages Known:	English, Malayalam, Hindi, Tamil

EDUCATION

MCA (Ongoing)	St. Joseph's College of Engineering & Technology, Pala	2024 - 2026
BCA	M.C. Varghese College of Arts and Science, Ettumanoor	2021 - 2024
Higher Secondary (CS & IT)	Government VHSS, Kaduthuruthy	2018 - 2020
SSLC	St. Thomas High School, Kallara	2017 - 2018

PROJECTS

SmartCart Analytics (Main Project - MCA) | Django, Python, React.js, MySQL, Machine Learning

- Developed an integrated electronics e-commerce website with a data-driven analytics system to analyze sales performance, customer behavior, and product demand for effective business decision-making.
- Implemented customer and admin modules with secure authentication, product management, order processing, and purchase history tracking.
- Applied advanced analytics including RFM analysis, K-Means clustering for customer segmentation, Market Basket Analysis using Apriori algorithm, and Customer Lifetime Value (CLV) analysis.

Online Voting System (Main Project - BCA) | Django, Python, SQLite

- Developed a role-based secure voting application with user authentication, encryption, and admin dashboards.
- Implemented secure voting mechanism with real-time results display and vote verification.
- Built admin panel for voter management, election configuration, and results visualization.

Little Root (Mini Project) | React.js, Flask, AI Chatbot, MySQL

- Developed a healthcare platform supporting pregnant women, new mothers, parents, and babies throughout their healthcare journey.
- Implemented an AI-powered chatbot providing 24/7 personalized support, answering health-related questions based on individual needs.
- Built features for real-time pregnancy tracking, vaccination reminders, baby growth monitoring, and medical scan tracking.

Online Auction and Bidding System (Mini Project) | HTML, CSS, PHP, MySQL

- Developed a secure auction system with product listings, user authentication, and live bid updates.
- Implemented real-time bidding functionality with automatic auction end and winner determination.

- Built admin panel for product management, user oversight, and transaction tracking.

INTERNSHIP EXPERIENCE

AI Intern | IPSR Solutions Ltd. | Jun 2025 - Jul 2025

- Applied Python (NumPy, Pandas) for AI workflows and dataset handling in real-world projects.
- Explored machine learning concepts through team-based mini-projects focused on predictive analytics.

On-the-Job Training - Web Designing | ICM Computers, Thalayolaparambu | Oct 2019

- Designed sample web pages using HTML & CSS with focus on UI/UX fundamentals.
- Practiced structured website layouts and design best practices for responsive interfaces.

CERTIFICATIONS

- NPTEL - Programming in Java (Apr 2025)
- Cisco Networking Academy - Introduction to Data Science (Sep 2025)
- Tata (Forage) - Cybersecurity Analyst Job Simulation (Nov 2025)
- TCS ION - Master Data Management for Beginners (Sep 2023)
- IPSR Solutions - Artificial Intelligence (AI) Foundation

WORKSHOPS & TRAINING

- AI-Integrated Career Acceleration Workshop on Cloud & DevOps - Red Hat Academy & IPSR Solutions Ltd. (Mar 2025)
- Ethical Hacking and Penetration Testing Workshop - Conducted by Brijith K Biju

VOLUNTEERING

- National Service Scheme (NSS) Volunteer | Dec 2021 - Nov 2023 (2 years)
- Actively participated in community service activities and social welfare programs organized by NSS.

STRENGTHS

Analytical Thinking	Strong problem-solving skills with attention to detail and data-driven approach
Time Management	Excellent prioritization skills to manage multiple tasks effectively
Adaptability	Quick learner with proven aptitude for new technologies and methodologies
Team Collaboration	Effective communication and teamwork abilities in diverse project environments