

GAUTHAM G D

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[LinkedIn](#) | [Portfolio](#) | [GitHub](#)

EDUCATION

M.E in Software Engineering - College of Engineering, Guindy, Chennai(Anna University) | 2023 – 2025

B.E in Computer Science & Engineering - Jerusalem College of Engineering | 2019 – 2023

TECHNICAL SKILLS

Programming Languages

: Python, Java, C

Web Technologies

: HTML, CSS, JavaScript, React.js, Django

Frameworks & Libraries

: Django REST Framework, Scikit-learn

AI/ML Specialties

: Deep Learning, Computer Vision, Large Language Models

Databases

: PostgreSQL, MySQL, MongoDB

Cloud & DevOps

: AWS (EC2, RDS, S3), Docker, Nginx

Tools & Platforms

: Git/GitHub, Postman, Jupyter Notebook, VS Code, OpenAI API

PROFESSIONAL EXPERIENCE

Python Developer (Data Analyst) Intern | July 2025 – September 2025

AR XTLABS Private Limited | Chennai, India

- Engineered a 95%+ accurate AI-driven mortgage document extraction system (OpenAI + OCR) that automated 500+ documents and cut manual review time by 80%.

Front-End Web Developer Intern | April 2022 – May 2022

PLACIBO Technical Private Limited | Chennai, India

- Built a highly responsive recipe application UI (HTML/CSS/JS/React) with optimized API integration, boosting user engagement and cutting load times by 40%.

TECHNICAL PROJECTS

Pulmonary Fibrosis Severity Prediction | Python, TensorFlow, PyTorch, SegUnet++, InceptionV3, LSTM, Medical Imaging | 2025

- Developed hybrid deep learning model achieving 87% accuracy on 1,000+ CT scans with automated diagnostic report generation

CAD System for Pulmonary Fibrosis | Python, TensorFlow, PyTorch, CTXNET, DCGAN, OpenCV | 2024

- Designed detection system with 92% sensitivity on 1,000+ images

Full-Stack Quiz Application | Django, PostgreSQL, JavaScript, REST API | 2024

- Built quiz platform serving 500+ questions with authentication, real-time scoring, and leaderboards for 100+ users

Exam Dates Verification with Hall Ticket | Django, Python, PostgreSQL | 2023

- Developed Django backend system for automated exam date verification and hall ticket validation

Portfolio Website | HTML5, CSS3, JavaScript | 2023

- Created responsive personal portfolio website showcasing projects and skills.

Digital Signature Verification Using ANN | Python, ANN, OpenCV, NumPy, scikit-learn | 2023

- Developed artificial neural network-based signature verification system achieving 89% accuracy on 500+ signature samples

Animal Detection and Counting Using CNN | Python, CNN, TensorFlow, Computer Vision | 2022

- Implemented CNN-based system for automated animal detection and counting in images using deep learning techniques

CERTIFICATIONS

- Programming with Generative AI (Elite) NPTEL
 - Python Keras Programming with Coding Exercises Udemy
 - Python: Introduction to Data Science and Machine Learning A-Z Udemy
 - Data Science for Engineers (Elite) NPTEL
 - Learn Python for Data Analysis - Beginner to Expert Udemy
 - Java Full Stack Development FITA Academy
 - JavaScript Beginner's Guide Udemy
 - Programming in Java (Silver Medal) – NPTEL
 - Introduction to Machine Learning (Elite) NPTEL
 - The Joy of Computing using Python (Silver Medal) NPTEL
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ACHIEVEMENTS & LEADERSHIP

- Developed 8+ substantial AI/ML and Full-Stack Projects with 100% deployment success rate, all available on GitHub with comprehensive documentation
- Active contributor to open-source community with multiple repositories showcasing expertise in AI/ML, web development, and computer vision
- Achieved Elite certification and Silver medals in competitive NPTEL courses, demonstrating strong academic performance and commitment to continuous learning
- Mentored junior students in Python programming, Django web development, and machine learning fundamentals.