

MANOVIKRAM K

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SUMMARY

As a creative developer and tech enthusiast with a strong passion for machine learning and computer systems, I enjoy solving real-world problems through a blend of technical expertise and design thinking. With hands-on experience in AI model deployment, full-stack development, and UI/UX design, I've built web applications and intelligent systems using frameworks like YOLOv5 and FastAPI.

EDUCATION

Rajalakshmi Engineering College , B.E. in Mechanical Engineering (In Progress) <ul style="list-style-type: none">CGPA: 7.6 (Up to 5th Semester)	2022 – Present
CK School of Practical Knowledge Matric Hr. Sec. School , HSC <ul style="list-style-type: none">Percentage: 82	2021 – 2022
CK School of Practical Knowledge Matric Hr. Sec. School , SSLC <ul style="list-style-type: none">Percentage: 95.8	2019 – 2020

INTERNSHIP

3D Artist , TIC Global Services <ul style="list-style-type: none">Created high-quality 3D models and visual assets for branding and web projects.Delivered high-impact 3D visuals by closely collaborating with design and development teams to align with client branding goals.	Mar 2025 – Jul 2025
Frontend Intern , FLY91 <ul style="list-style-type: none">Developed a web application that enabled employees to request cabs, hotels and flight bookings.Collaborated with a team to build a seamless, user-friendly platform enhancing internal travel management.	Oct 2024 – Nov 2024
Graphic Designer , QPo Cabs <ul style="list-style-type: none">Designed the official logo, promotional materials, and visual assets for QPo Cabs, a Chennai-based ride-sharing startup.	April 2024 – April 2025

PROJECTS

Defect Detection System using YOLOv5 <ul style="list-style-type: none">Built a real-time computer vision system using YOLOv5 to detect surface defects (weld, paint, and scratches). Trained on custom dataset.	[Link]
ERP Chatbot <ul style="list-style-type: none">Designed a chatbot capable of responding to queries from PDFs, answering company policy questions, replying to user messages, and retaining conversational memory.	[Link]
Grands – GDSC 2023 <ul style="list-style-type: none">Built a social media app focused on improving the well-being of elderly individuals through meaningful engagement and interaction.	[Link]

TECHNICAL SKILLS

Languages: Python, Java, C, Go (Basic)
Web Development: HTML, CSS, JavaScript, React (Basics), FastAPI, Django
AI/ML: Numpy, Pandas, Neural Networks
Databases & Tools: PostgreSQL, MySQL, Git, GitHub, Power BI

Design: Blender, Figma, Photoshop, Illustrator

ACHIEVEMENTS

Vice President , DEVS Club (Tech Club), Rajalakshmi Engineering College	2024 – 2025
<ul style="list-style-type: none">Led tech initiatives in one of REC's largest tech clubs, impacting 2000+ members through projects, innovation, and partnerships.	
Build Masters , Bootup'24, Rajalakshmi Engineering College	Mar 2024
<ul style="list-style-type: none">Secured 1st Prize by completing a full PC build in just 5 minutes and 54 seconds.	
Shark Tank , IEEE BREADHS, Rajalakshmi Engineering College	Sep 2024
<ul style="list-style-type: none">Secured 2nd Prize.	
Smart India Hackathon – Internal Hackathon , Rajalakshmi Engineering College	Aug 2024
<ul style="list-style-type: none">Ranked among the Top 60 teams selected for the institute-level round of Smart India Hackathon.	
Hackmageddon , Rajalakshmi Engineering College	Jul 2024
<ul style="list-style-type: none">Ranked among the top 30 teams in the institute-level hackathon.	

CERTIFICATION

Convolutional Neural Networks - DeepLearning.AI	[Link]
Structuring Machine Learning Projects - DeepLearning.AI	[Link]
Improving Deep Neural Networks - DeepLearning.AI	[Link]
Neural Networks and Deep Learning - DeepLearning.AI	[Link]
Cloud Computing - NPTEL	[Link]

ADDITIONAL INFORMATION

Languages: English, Tamil