MANOVIKRAM K

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Summary

As a developer and tech enthusiast with a deep interest in machine learning and computer systems, I enjoy exploring the intersection of software and design through hands-on projects. With a growth mindset and a commitment to continuous learning, I embrace challenges as opportunities to strengthen my technical skills through creative problem-solving and collaboration.

Skills

Technical Skills: AI & ML Specialization, Back End Development, Front End Development (Basic)

Programming Languages: Python, Java, Go (Basic)

Databases & Tools: MySQL, PostgreSQL, Git, GitHub, Power BI

Design: Blender, Figma, Photoshop, Illustrator

Projects

Defect Detection System using YOLOv5 [Link]
- Developed a computer vision system to identify weld and paint defects, classify surface scratches, and provide real-time prediction feedback.

ERP Chatbot [Link]
- Designed a chatbot capable of responding to queries from PDFs, answering company policy questions, replying to user messages, and retaining conversational memory.

Grands – GDSC 2023 [Link]
- A social media app dedicated to enhancing the well-being of elderly individuals through engagement and interaction.

Internship

3D Artist, TIC Global Services   Mar 2025 – Present
- Created high-quality 3D models and visual assets for branding and web projects.
- Delivered high-impact 3D visuals by aligning closely with design and development teams to match client branding goals.

Frontend Intern, FLY91   Oct 2024 – Nov 2024
- Developed a web app for employees to request cabs and flights.
- Collaborated with a team to build a seamless, user-friendly platform enhancing internal travel management.

Graphic Designer, QPo Cabs   April 2024 – April 2025
- Designed the official logo, promotional posters, and graphic illustrations for QPo Cabs.
- Helped shape the brand identity and visual communication for the Chennai-based ride-sharing startup.

Achievements

Vice President, DEVS Club (Tech Club), Rajalakshmi Engineering College   2024 – 2025
- 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
- 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
- Secured 2nd Prize.

Smart India Hackathon – Internal Hackathon, Rajalakshmi Engineering College   Aug 2024
- Ranked among the Top 60 teams selected for the institute-level round of Smart India Hackathon.

Hackmageddon, Rajalakshmi Engineering College   Jul 2024
- Ranked among the top 30 teams in the institute-level hackathon.

Education

Rajalakshmi Engineering College, B.E. in Mechanical Engineering (In Progress)   2022 – Present
- CGPA: 7.6 (Up to 5th Semester)

CK School of Practical Knowledge Matric Hr. Sec. School, HSC   2021 – 2022
- Percentage: 82

CK School of Practical Knowledge Matric Hr. Sec. School, SSLC   2019 – 2020
- Percentage: 95.8

Certifications

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 (Fluent), Tamil (Native)