

# Manojkumar M

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## PROFESSIONAL SUMMARY

AI/ML Developer with expertise in machine learning, deep learning, and intelligent automation. Proficient in building end-to-end AI solutions, from data preprocessing to model deployment. Skilled in Python and Java with hands-on experience in real-time applications across aerospace and web analytics domains. Passionate about leveraging AI to solve real-world problems and optimize performance.

## SKILLS

Python, Java, Deep Learning, Computer Vision, Predictive Modeling, Natural Language Processing (NLP), Statistical Analysis, HTML, CSS, JavaScript, RESTful APIs, React.js, Node.js, SQL, NoSQL, Relational Database Management System (RDBMS), AWS, Docker, FastAPI, Streamlit, Analytical Thinking, Communication, Team Collaboration, PDF Parsing, Data Visualization, CNNs, Transfer Learning, Power BI, Django REST Framework, PostgreSQL, AWS CloudWatch, Git, CI/CD

## EXPERIENCE

### Rangsons Aerospace Pvt Ltd

Present

AI/ML Developer (Graduate Engineer Trainee)

- Developed an AI-powered Request for Proposal (RFP) automation system using Natural Language Processing (NLP), PDF parsing, summarization, and Question Answering (Q&A) modules, reducing manual review time and improving bid response efficiency.
- Built a deep learning model for Red Green Blue (RGB) to Infrared (IR) image conversion, enhancing aerospace visibility in low-light conditions using Convolutional Neural Networks (CNNs) and transfer learning.
- Created an AI-powered recruitment tool that filters and summarizes resumes using NLP and classification algorithms, enabling HR teams to shortlist candidates quickly and efficiently.

### Coronis Ajuba

03/2024 – 02/2025

AR Analyst

- Designed interactive Power Business Intelligence (BI) dashboards to monitor accounts receivable Key Performance Indicators (KPIs), denial trends, and collection performance.
- Delivered data-driven insights to support healthcare revenue cycle management.
- Ensured Health Insurance Portability and Accountability Act (HIPAA) compliance and data security in all analytics processes.

### Egrove Systems Pvt Ltd

03/2023 – 08/2023

Software Developer (Full Stack Developer)

- Contributed to the development of Elite Site Optimizer, a Search Engine Optimization (SEO) analytics platform.
- Designed User Interface (UI) templates, dashboards, and interactive widgets.
- Developed Representational State Transfer (REST) Application Programming Interfaces (APIs) and role-based authentication using Django REST Framework.

## PROJECTS

### AI-powered RFP Automation System

- Developed an automation system to process large Request for Proposal (RFP) documents using NLP, PDF parsing, summarization, and Q&A modules.

### RGB to Infrared (IR) Image Conversion

- Built a deep learning model that converts RGB images into IR-like outputs in real time, improving aerospace visibility in low-light conditions.

### Resume Filtration & Summarization System

- Created an AI-powered recruitment tool that filters and summarizes resumes using NLP and classification algorithms, enabling HR teams to shortlist candidates quickly and efficiently.

### Anomaly Detection System

09/2023 – 02/2024

- Built an unsupervised anomaly detection system using statistical analysis, Autoencoders, and clustering.

### Face Recognition System

09/2023 – 02/2024

- Developed a real-time face recognition system using Python, OpenCV, and CNNs.

## EDUCATION

