ASHER JARVIS PINTO

Karnataka, India | asjpint@gmail.com | +91 7022814099
linkedin.com/in/asherjarvispinto | github.com/Awshae | awshae.github.io/Asher

PROFILE SUMMARY

Robotics and AI undergraduate with a strong analytical background. Possesses hands-on experience in machine learning, encompassing both deep learning and traditional algorithms. Skilled in data preprocessing, model evaluation, and scientific computing. Experienced in UI/UX and graphic design, focusing on creating user-friendly interfaces and collaborating effectively across teams.

EDUCATION

2022 - 2026 **B.Tech in Robotics and A.I Engineering** - NMAM Institute of Technology, Nitte
Current CGPA - 8.94 , 5th Semester SGPA - 9.65

2022 **12th Grade - 81%** Lourdes Central School, Mangalore

2020 **10th Grade - 82.6%** Lourdes Central School, Mangalore

EXPERIENCE

Jun 2024 - Jul 2024 **Research Intern - Indian Institute of Science (IISC),Bangalore**

- Analyzed chemical processes using Batch Reactors and GC-MS instrumentation.
- Reviewed 3+ research papers to identify key chemical indicators.
- Collected and refined 5+ experimental datasets for model training.
- Applied ML (Linear Regression, SVM, Random Forest) and DL (MLP,RBFNN) models for prediction.
- Achieved 85% accuracy and 30% reduction in preprocessing time.

Jan 2023 - May 2023 **Internship - NMAM Institute of Technology, Nitte**

- Led GUI development for "3Dscape", improving task completion time by ~30%
- Applied intuitive design to enhance navigation based on internal feedback.
- Contributed 250+ lines of backend code and supported integration testing, ensuring smooth UI–logic integration through collaborative debugging.

SKILLS

Python Programming, Machine Learning, 3D Design and Modelling, PLC Programming, Virtual Instrumentation, UI/UX Design, Graphic Design, Software Proficiency in Photoshop, Procreate and MS Excel.

Leadership, Communication, Versatility, Critical Thinking, Time Management, Analytical Reasoning.

PROJECTS

Air Quality Index (AQI) Prediction Using Multi-Layer Perceptron (MLP) and Radial Basis Function (RBF) Neural Networks : Achieved R^2 Values of 0.88 and 0.87 respectively for MLP and RBFNN on city_day dataset of 26 Indian cities.

Neural Network Modelling of SIR Dynamics from Stochastic Simulations : R2 values recieved on simulations are 0.6408 for S (susceptible), 0.7672 for I (Infected), and 0.9747 for R (Recovered) compartments.

OOP-Based Apartment Inquiry Chatbot : Implemented basic natural language processing for intent recognition and sentiment analysis to enhance user interaction and manage conversation history.

Maze Solving Robot : Building a Maze solver robot using Arduino Nano, N20 Motors and TB66FNG motor Driver.

Portfolio website : Developed a personal portfolio website using CSS, HTML and Javascript to showcase projects, skills, and experience.

EXTRA CURRICULARS

IEEE Member (Jan-Present); Digital Head, RISE (Robotics and A.I. Society for Engineers, 2024–2025);Graphics Head, RISE (2023–2024);Graphic Designer, Radio Club Nitte (2023–2024)

LANGUAGES

Fluent in English (Highly Proficient), Hindi (Working Proficiency), and Konkani (Native); conversational in Kannada and beginner-level in Japanese (A1).