POORVIK JAIN TM

poorvikjaintm@gmail.com | https://www.linkedin.com/in/jainpoorvik/ | https://github.com/granthpoorvik/ | +91-8050992006 | Bangalore -572101

EDUCATION

Bachelor Engineering, Information Science Engineering
Channabasaveshwara Institute of Technology, Tumkur CGPA 8.47 04/2020-06/2024

PUC
Sarvodaya PU college ,Tumkur 82.66% 03/2018-06/2020

WORK EXPERIENCE

Graduate Trainee Engineering
ZSCALER Feb 2024
I work on projects with software development that enhance the performance and security of networks. In addition, I use tools like Cisco Packet Tracer and Wireshark to troubleshoot network issues, getting valuable real-world experience in networking and cloud security.

Software Developer Engineering intern (Machine Vision)
Central Manufacturing Technology Institute – Govt. of India (CMTI) May-July 2023 **Certificate**
As a Software Developer Engineer Intern, I created a 3D visualization solution, increasing user engagement by 30%. I integrated technologies for universal compatibility, optimized machine operations by 15% through predictive maintenance, and enhanced software functionality by 25% through cross-functional collaboration, demonstrating problem-solving and innovation.

PROJECTS

One Stop Solution For Social Media Management: GitHub

- **AWS-Backed Hackathon**: Participated in an AWS user group India hackathon during AWS Community Day India 2022.
- **Project Concept**: Developed a platform for event managers to plan and announce events simultaneously via email, Discord, etc., simplifying the organizer's role.
- **Success**: Thrilled to secure 2nd place and receive a cash reward for the project's innovation and utility.
    - **Tools**: Lambda | ec2 | IAM ROOT | Dynamo DB | Email and Discord Integration | python | Html |CSS |JS

Cross –Platform Linking Between Cpp, Python, Qt: GitHub

- **Cross-Platform Linkage**: Challenges in integrating C++, Python (Pybind11), and Qt (PyQt/PySide) for unified applications across OSs.
- **Dependency Management**: Handling platform-specific dependencies, CMake for correct compilation and binary generation.
- **Seamless User Experience**: Consistent UIs and system-level features, creating versatile applications.
    - **Tools**: C++ | Python (Pybind11) | Qt (PyQt/PySide)| Dependency Management | CMake

Industrial Milling Machine Tool Wear Detection by SVM: GitHub

- **Tool Wear Challenge**: Metal cutting machines often face tool wear, leading to surface defects and inaccuracies due to friction and heat.
- **Predictive Solutions**: Sklearn, linear regression, and support vector machines analyze data to predict tool wear, maintenance.
- **Reduced Downtime**: Early detection prevents work piece damage, machine breakdowns, enhancing efficiency by minimizing downtime.
    - **Tools**: Tool Wear Detection | Sklearn | Linear Regression | Support Vector Machines

Predictive Analytics of Heart Failure using scikit learn Random-Forest and XGBoost Models: Github

- Using Pandas to perform one-hot encoding of a dataset
- Using scikit-learn to implement a Decision Tree, Random Forest and XGBoost models

Sign Language Detector Using Hand Gestures Opencv:

- **Technology Stack**: Employing MediaPipe, OpenCV, and Google Teachable Machine for an image tracking.
- **Gesture Detection**: Aiming to detect hand gestures, predict matching signs for a user-friendly app to aid communication with disabled individuals.
- **Challenges**: Facing issues with processing power, high CPU consumption, and the need for extensive datasets for effective model training.
  Tools: MediaPipe | OpenCV | Google Teachable Machine | Model Training

CERTIFICATIONS

Machine Learning Specialization	**Stanford Online | DeepLearning.AI**
Remote sensing and GSI	**Indian Institute of Remote Sensing ,Dehradun**
Supervised Machine Learning	**Stanford Online**
Advanced Learning Algorithms	**Stanford Online**
Machine Learning Foundations	**AWS Educate**
Nano Degree	**Udacity**
Scientific Computing with Python	**FreeCodeCamp**
Nptel Programing in Java	**IIT Kharagpur**

TECHNICAL SKILLS

- **Programming Languages**: Python , C++, SQL, ,Java, C , JavaScript (basic)
- **Machine Learning**: OpenCV, NumPy,Pandas,Matplotlib
- **Developer Tools**: VS Code , AWS, Git and GitHub, postman, QT , Linux
- **Frame works basics** : selenium ,spring boot (basic)

SOFT SKILLS

- Problem Solving , Analytical, Time Management, Collaboration, Leadership, Adaptability

ACHIVEMENTS

Active participation in hackathons:

- AWSomeify Hackathon (AWS INDIA) Runner Up ProjectLink
- AWS Deep Racer
- CIPHER BATTLE 2022 – 24 Hours Hackathon Winner Link
- KNEW- NATIONAL LEVEL TECHENICAL SYMPOSIUM Winner Link
- TECHNO-CULTURE FLARE 2023 Runner Up Link

Membership:

- AWS cloud champ
- Member of INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE)
- Coordinator for Infy challengers club CIT