Name:- UTSAV MITRA
Contact Number:- *6366710413(M)*
Present Address:- Spice Garden Layout, Munnekola, Bangalore.
Email ID:- *mitra_utsav@yahoo.com*
LinkedIn:- *https://www.linkedin.com/in/utsav-mitra-b13b7572*

CAREER OBJECTIVE:-

To work for an organization which will provide me the opportunity to apply my avionics skills, Embedded System design & IT skills along with the growth of the organization objective.

WORK EXPERIENCE:-

Honeywell Technology Solutions Lab, Bangalore (March, 2018 – Till Date)

Role:- Test Engineer in Honeywell Aerospace-Electronic Solutions

Responsibilities:-
- Designing and development of simulation test benches for Avionics systems.
- Simulation setups for Aircraft cockpit system signals.
- Developing the configuration data bases for different I/O interfaces.
- ICD creation for different LRUs.
- Designing different components of test benches including hardware, software, assembly, integration, ATP and documentation.
- Testing the overall functionality of the test bench against the customer requirements.
- Debug/troubleshoot issues and maintain the test benches post-delivery.

Project Details:-
- Collaborative robot based automation & integration with avionics test bench & next gen sim-cockpit.
- Radar module integration with Embraer test bench.
- LRU simulation application development: - Sim-MCDU, Sim-MCMW.
- Automated bench interface cable tester software development.
- PMAT integration interface in SSB test benches.
- Android based test bench control.
- Gulfstream test bench design & integration.
- Multi-Configuration test bench design, development & integration.
- One Touch Automation Solution for test benches.
- Worked as Dassault test bench cluster focal for regular bench support.

TRAINING:-

2019:- FMS training with FPLAN loading procedures from Honeywell

2018:- Avionics Phase 1 training from Honeywell, Pilot Simulator Training from Honeywell.

2016:- Summer Training on **Solar Charge Controller** from **SIMOCO** from 1st July to 29th July.

SKILL SET:-

- ➢ **IT skills-**
  - **MFC**, **C**, Embedded **C**, OS, Python, C++, C #, PLC, Socket Programming.
  - **ActiveX** Controls based windows application development
  - Knowledge of **Linux Device Drivers** development.
  - Knowledge of basic **JAVA** & **Android App Development.**
  - Basic networking skills for test bench networking setup.
  - Experience on working with Microsoft Office-**Microsoft Word, Excel, PowerPoint, and Visio.**

- ➢ **Technical skills-**
  - Working knowledge of **ARINC-429**, **AFDX**, **ASCBD**, **serial bus** protocols.
  - Working knowledge of **cockpit system** hardware, **FMS**, basic **avionics**.
  - Simulation software development.
  - **Simulation IO** cards interfacing with avionics system.

- ➢ **Soft skills-**
  - Quick learner, self-motivated, hardworking, team player and goal-oriented with a high degree of flexibility, creativity, resourcefulness, commitment and optimism.
  - Regular user support across different site locations.
  - Ability to meet tight deadlines and easily adaptable to new environment & agile work timings
  - Ability to analyze, troubleshoot and determine technical problems.
  - Better analytical and problem resolving ability to go the core of the problem for enhancing operations.
  - Ability to present technical solutions to leadership teams.

- ➢ **Hardware skills-**
  - Working experience on hardware integration of test benches, simulation pcs & cable integration.
  - Working experience on simulation card installation in server machines.
  - Working experience of crimping, shielding, cable designing.
  - ARM Cortex M3, AVR Atmega 128 & Arduino microcontroller.
  - Working experience on soldering components in Printed Circuit Board, designing power supply & interfacing LCD, UART.

RECOGNITIONS:-

- ➢ Received award from peer for **simulation MCDU** application development task in Honeywell.
- ➢ Received award from User team for **customer site support** for simulation test bench in Honeywell.
- ➢ Received appreciation for **robotic arm project** presentation to senior management teams in Honeywell.

ACADEMIC BACKGROUND:-

- **2017-2018 :-**
  Post Graduate Diploma in **Embedded Systems Design** (PG-DESD) from Centre for Development of Advanced Computing (**C-DAC**), **Bengaluru** (Knowledge Park) with 75% marks.

- **2013-2017 :-**
  Passed 4 year **B-Tech** in **AEIE (Applied Electronics & Instrumentation Engineering)** with DGPA of **7.11** from **Heritage Institute of Technology** Kolkata, affiliated to **MAKAUT** (Formerly known as **WBUT**).

- **2013 :-**
  Passed Higher Secondary exam from **Patha Bhavan** with **81%** marks from West Bengal Council for Higher Secondary Exam (**WBCHSE** board).

- **2011:-**
  Passed Secondary exam from **Hartleys High School** with **86%** marks (**SCHOOL TOPPER**) from West Bengal Board for Secondary Exam (**WBBSE** board).

CO-CURRICULAR ACTIVITIES:-

- **2019-** Attended Hackathon on Cloud computing implementation on digital twin in Honeywell.
- **2017-** Participated in **2nd intercollege competition** on **Prototype design on gas sensors** conducted by HITK on 28th April, 2017.
- **2013-**Completed a two day **workshop** on **Radio Controlled Model** making in RC Aircraft category from 27th -29th September, 2013 in association with Jadavpur University FETSU presents SRIJAN 2014 at Jadavpur University Campus.

EXTRA-CURRICULAR ACTIVITIES:-

- Achieved Yellow belt in Kyokushin Karate on 2017 from South Kolkata Karate Academy affiliated to IKO (HQ) Tokyo, Japan & WBKKA, Salt Lake, Kolkata.

- Passed 4th year on Hawaiian guitar with distinction from Basonto Bahar School affiliated to Prachen kala Kendra, Chandigarh on 2008.

PERSONAL PROFILE:-

DATE OF BIRTH- 6.10.1995
FATHERS NAME- Nirmal Mitra
RESIDENTIAL ADDRESS- 57B, Tollygunge Circular Road, Kolkata-700053.
NATIONALITY- INDIAN
LANGUAGES KNOWN- English, Hindi, Bengali
INTERESTS- Karate, Singing & playing chess, Badminton, Sudoku, reading books.
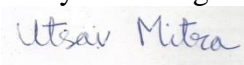**PASSPORT-** M4659885
REFERENCES- Available upon request.
DECLARATION:-
I hereby declare that the above mentioned information is true to the best of my knowledge and belief.
PLACE: Bangalore
DATE: Updated as per latest   SIGNATURE