**Nayaab Ahmed N**

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# PROFESSIONAL EXPERIENCE

**Aeronautical Development Agency**

## Software Developer Dec, 2022 – Feb, 2024

* Actively involved in the development and maintenance of mission critical software solutions for embedded systems.
* Utilized pragma calls to establish seamless communication and integration between Ada and VxWorks, ensuring optimal performance and reliability.
* Used TerraTerm software to dump the kernel image and the application software into a embedded system and solve the problems observed w.r.t OS application
* Employed Git for robust source control management, overseeing versioning and collaborative development for both application and VxWorks projects, this increased our productivity by 50%.
* Actively engaged in DevOps practices, focusing on automated builds and delivery pipelines to target environments, resulting in streamlined development processes and increased efficiency.
* Collaborated with cross-functional teams to analyze system requirements, troubleshoot issues, and optimize software performance.
* Conducted thorough unit testing and debugging activities, ensuring the reliability and stability of mission computer application.
* Used Python to help develop Descriptive change notice generation by directly using git diff file, this helped our team to keep a clean documentation setup hence increasing our productivity by 200%.
* Successfully made a basic interface to monitor Mission computer health status like temperature, uptime . . .etc. using HTML, CSS, JavaScript and NodeJS using APIs provided by Mission computer.
* Supervise timely accomplishment of project objectives. Manage key project risks and change.
* Have better experience on SVN and GITEA server for version control, fetching code from server, merging to a latest code and amending changes onto it.

**Amazon Development Centre (India) Pvt. Ltd**

## PROCESS ASSOCIATE (SEMI-TECH) Dec, 2019 – June, 2021

* Provide proper product pricing to US customers using in-house tools.
* Analyze the price changes and suggest ways to keep pricing of products competent.
* Create dashboards using Matplotlib with the given CSV data.
* Submit new Ideas for the improvement of in-house tools.

**Protocol Automation Technologies Pvt. Ltd.**

## SCADA DEVELOPER Dec, 2018 – May, 2019

* Design efficient SCADA designs using Movicon.

# EDUCATION

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| --- | --- |
| Sai Vidya Institute of Technology**, Bengaluru 2014-2018** |  |
| *Bachelor of Engineering, Electrical and Electronics Engineering– 6.67 %* Indiranagar Composite PU college, Bengaluru**. 2013-2014**    ***PCMB – 88.87%*** |  |

# TECHNICAL SKILLS

* **Programming Languages:** ADA-95, Embedded C, Python, JavaScript, HTML, CSS, Node.
* **Technologies/Frameworks:** Git, Node.js, Jenkins, TeamCity, Octopus Deploy, Sublime merge, Tortoise Git, RTOS.
* **Development Tools:** GNAT, Apex ADA, Anaconda, VSCode, wind River workbench (VxWorks).
* **Testing Tools:** HCL One Test Embedded studio, IBM RT-RT.
* **Protocols:** UART, RS-422.
* **Safety-guidelines :** DO-178B.

# ADDITIONAL INFORMATION

* **Languages:** English (Professional), Kannada, Hindi (Native)
* **Interests:** Badminton, Meditating.
* **Certification:** [Full stack developer](https://www.guvi.in/certificate?id=t461u154060781fbPK&download=true) from GUVI.

# PROJECTS

**TEJUS MARK1A LCA Aircraft**

* Military software development using ADA95 language in GNAT environment.
* Write Network drivers for VxWorks RTOS which transfers the data from application to other

LRUs.

* Write unit test cases for Application written in ADA with the help of HCL ONE\_TEST tool.