

[Deepak Neupane](#)

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EXPERIENCE

Software Engineer, Halla Mechatronics[Automotive R&D] (Current role) May 2020 - Ongoing

- Collect requirements, develop new and maintain/update existing scripts **automating** vehicle **software validation** and **testing**. Programming languages include but not limited to **Python, Java, C#, Groovy** and **Perl**.
- Manage internal **Continuous Integration Continuous Delivery** platform **Jenkins** for automated embedded build processes (Jenkins pipeline scripts) (As a part of **software tools** team)
- Create new, update and maintain existing **CANape, CANoe** configurations used on vehicle **software testing** and **validation** process.
- Collect requirements, analyze and develop scripts (Python, batch scripts) for **automating** manual processes in embedded software development.
- Experience in all phases of Software Development Life Cycle (**SDLC**) including Requirement Analysis, Design, Coding, Testing and Implementation in **Agile (Scrum)** Environment.

EDUCATION

Bachelor of Science in Computer Science

PUBLICATION

Web User Authentication Using Keystrokes Dynamics, Second Author, [IEEE Published Link](#)

TECHNICAL SKILLS

<u>Programming Languages</u>	Java, Python, Groovy , Visual Basic , .NET, C#, C, C++ (Working Knowledge), Matlab
<u>Web Development</u>	React, JavaScript (Working Knowledge), HTML5, CSS3
<u>Frameworks</u>	Django (Python), SprintBoot (Java), Spring MVC (Java)
<u>Operating Systems</u>	Windows (Primary) , Linux , Raspberry Pi OS
<u>Cloud Services</u>	Microsoft Azure, AWS , Server Virtualization with Proxmox
<u>Development Tools</u>	Eclipse, PyCharm, VisualStudio, POSTMAN, Git, Sourcetree, Github
<u>Automotive Industry Specific</u>	CAN Protocol, AUTOSAR standards, CAPL, CASL
<u>CI/CD Tools</u>	Jenkins , Docker (Familiar), Kubernetes (Familiar)
<u>Testing Tools (ECU Testing)</u>	CANape, CANoe, CANalyzer, ECUTest