Deepak Neupane

2205 Pierce Rd • Saginaw, MI 48604 • dneupan1@svsu.edu • 989-964-8179 • LinkedIn

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 **Java, Python, 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.
- Develop new, update and maintain existing plugins for IBM **Rhapsody** used for embedded software architecture development, software component development.
- 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.

Software Engineering Co-Op, Halla Mechatronics   Sep 2018 – May 2020
- Developed python scripts for various software process **automation**, **software profiling tests**
- **Maintained**, **updated** existing software, script to aid embedded software development
- Developed **Java** applications to visualize the updated schedule in **software SDLC** by fetching relevant data from PTC product.
- Software **validation** and **testing** with **CAN**, **CAPL**, **CANalyzer**, **CANape**, **CANoe** tools.

Undergraduate Research Assistant (Paper Published ICMLA 2019), SVSU   Sep 2017 – Sep 2018
- Developed a data collection platform for the **keystroke timings**
- Created individual user profile based on the **typing pattern**
- Performed **data analysis**, **IEEE Published Link**

EDUCATION

Bachelor of Science in Computer Science (Summa cum laude)   May 2020
Saginaw Valley State University, University Center, MI

COMPUTER/ TECHNICAL SKILLS

Programming Languages	**Java**, **Python**, **Groovy**, Visual Basic (Primary), .NET**, C#,** C**,** C++ (Working Knowledge), Matlab
Web Development	**React**, **JavaScript** (Working Knowledge), AngularJS, jQuery, AJAX, **HTML4**, **HTML5**, **CSS3, CSS**
Frameworks	**Django (Python), SprintBoot (JAVA), Spring MVC (Java)**
Operating Systems	**Windows (Primary)**, **Linux,** ROS, Raspberry Pi OS
Cloud Services	Microsoft **Azure**, **AWS**, **Server Virtualization** with **Proxmox**
Development Tools	**Eclipse, PyCharm, VisualStudio, POSTMAN, Git, Sourcetree, Github**
Automotive Industry Specific	CAN Protocol, AUTOSAR standards
CICD Tools	Jenkins, Docker (Familiar), Kubernetes (Familiar)