SHIVASHANKAR CHIDAMBARAM

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Automotive Electronics Engineer Specializing in vehicle dynamics software development and Hardware-in-Loop (HIL) simulation. Adept at designing and developing automotive braking systems, with a strong foundation in automotive electronics and software development. Excellent communicator and team player with a proven ability to work effectively in cross-functional teams.

EDUCATION

- **Master of Technology in Automotive Electronics**
  Vellore Institute of Technology | 06/2018 – 05/2020 | CGPA: 8.99

- **Bachelor of Technology in Electronics and Instrumentation Engineering**
  Vellore Institute of Technology | 06/2014 – 05/2018 | CGPA: 7.77

PROFESSIONAL EXPERIENCE

- **Continental AG India**
  Technical Specialist | Nov 2022 – Present | Developed HIL-Environment for Hydraulic Brake System function testing.

- **Bosch Engineering and Business Solutions**
  Engineer | Jan 2021 – Oct 2022 | Developed application software (ASW) for Hydraulic Brake System functions for JOEM customer projects.

- **Continental AG India (Payroll: ManpowerGroup)**
  HIL Simulation Engineer | Jun 2019 – Dec 2020 | Developed HIL models for Hydraulic Brake System function testing.

- **Greytip Software Pvt. Ltd.**
  Inside Sales Executive | Mar 2017 – May 2018 | Marketed and implemented payroll software solutions.

PROJECTS

- **ESP Function Development @ Bosch**
  Developed ESP functions as an AUTOSAR developer for JOEM customer team.

- **IPG Carmaker & Vector HIL Model @ Continental**
  Developed models for brake function and endurance testing.

- **Motorcycle ABS Simulation @ Continental**
  Developed a HIL simulator for single-channel ABS Hydraulic-ECU and control function testing.

- **Software Implementation @ Greytip Software**
  Implemented and provided post-sales support for payroll software.

SKILLS AND LANGUAGES

- **Technical Skills:** Automotive Electronics, Software Development, Embedded C, HIL Simulation, Automotive Communication Protocols.

- **Software Proficiency:** ASCET, MATLAB/Simulink, CANoe, Keil, Code Composer Studio, NI LabVIEW, SolidWorks, NI Multisim, Proteus.

- **Programming Languages:** Embedded C, Python 3.0, ASCET (ESDL),

- **Microcontrollers:** 8051, PIC 16F877A, Raspberry Pi, HCS12, LPC2148, Arduino, TMS320F28379D.

- **Communication Protocols:** SPI, I2C, UART, LIN, CAN, Flex-Ray.

- **English:** Full Professional Proficiency

- **Tamil:** Full Professional Proficiency

- **Kannada:** Full Professional Proficiency

- **Telugu:** Elementary Proficiency

- **German:** Elementary Proficiency

- **Spanish:** Elementary Proficiency