# ADDEPALLI JEEVAN RAM

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## OBJECTIVE

To work in a creative and high energy environment where I get the opportunity for continuous learning through new challenges and diverse working conditions demanding all my skills and efforts to explore and adapt myself in various fields.

## WORK EXPERIENCE

- Scrum Master – Advanced Development Team in Research Department - Philips, Healthcare
  Jan 2021 to Present
- Research Engineer I in Research Department – Philips, Healthcare
  Apr 2020 to Present
- Research Associate II in Research Department – Philips, Healthcare
  Apr 2017 to Mar 2020
- Software Engineer in Research Department – Philips, Healthcare
  Jun 2015 to Mar 2017
- Software Engineering Intern in ICAP Department – Philips, Healthcare
  20th Jan 2015 to Jun 2015

## EDUCATION

- BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCES — *Pilani, India*
  M.Tech in Software Systems (Data Analytics) — *July 2017 – July 2019*
  **CGPA: 8.33**

- VELLORE INSTITUTE OF TECHNOLOGY, VIT UNIVERSITY — *Vellore, India*
  B.Tech in Computer Science and Engineering (CSE) — *May 2015*
  **CGPA: 8.72**

- SRI CHAITANYA JUNIOR COLLEGE — *Vijayawada,India*
  XII Grade (Board of Intermediate Education, Andhra Pradesh) — *March 2011*
  **Percentage: 94.4%**

- BHASHYAM PUBLIC SCHOOL — *Vijayawada,India*
  X Grade (Board of Secondary Education, Andhra Pradesh) — *March 2009*
  **Percentage: 92.6%**

## SKILL SET

- Certified SAFe 5 Scrum Master.
- Machine Learning, Data Mining, Information Retrieval, Digital Signal Processing.
- Android Application Development – Proficient.
- Spring Boot Java Server Development – Proficient.
- Strong problem solving ability in C, C++, Java, Python languages.
- Well acquainted with HTML, PHP, CSS, JS, and SQL.
- Rapid learner with strong grasping approach.
- Good Communication, analytical, presentation skills, team-player and a team leader.

## PROJECTS

- **Ultrasound for ICU Monitoring (Java, Spring Boot)**
  Ultrasound for ICU monitoring involves creating a prototype for Intensivists (ICU doctors) in European Nations and US for enhancing and encouraging the usability of Ultrasound instead of invasive methods. It involves creation of a Communication and REST API components using Spring Boot & RabbitMq.

- **Vibro-Elastography (C++)**
  Vibro-Elastography involved creating a pipeline for dumping raw IQ Data from Signal & Image Processing(SIP) path by bypassing the color flow data and sharing it to a 3rd party Application that processes the data and gives out results. It involves modifying and developing of new SIP graphs and Voyager Codebase(C++). It will be a new tool to diagnose Liver cirrhosis.

- **Fetal Biometry (Conda, Paraview)**
  Fetal biometry involved setting up of Conda Environment on VPC to check the feasibility of running the algorithm developed by Medisys on sample volume data and visualizing the plane in Paraview by using plane parameters acquired from the algorithm. This plane will generate the biometric parameters of a fetus using 3D Ultrasound.

- **Follicle Detection on Android Platform (DL, Nvidia DIGITS, Android NDK)**
  Follicle Detection on Android Platform involved comparing different models based on different neural networks generated using the same dataset and integrating yolo model to Android app to highlight the follicles present in a live scan. It is a plausible solution to integrate with hand-held ultrasound devices like Lumify.

- **Intelligent W-Assist (Angular 4, Spring Boot, PostgreSQL, Python 3, Android SDK)**
  Intelligent W-Assist involved setting up of Server using Spring Boot Java and PostgreSQL for REST APIs, Android App for Aadhaar QR Identification and User creation, Angular 4 for Dashboard UI and Python for invoking REST APIs from Image Analytics Box. It is a solution based on Ultrasound Workflow optimization that made a significant reduction with turnaround time as well as errors in the conventional workflow. It's one of a kind solution that's going to revolutionize the Ultrasound market and helps the Sonographers and Doctors.

- **Mobile Obstetrics Monitoring (Android SDK, Python 3, Flask)**
  Mobile Obstetrics Monitoring or MOM is a set of 5 android mobile and tablet apps with frontend using Material Design & backend using Python and Flask, covering a 1000-day care program for Women from conception of pregnancy till 2 years of Baby's care.

- **Intellispace Discovery (C#, Selenium, Python, REST API)**
  Intellispace Discovery involved developing of a Test Automation Framework for testing the UI using Selenium, C# and for backend using python and REST API. It helped in quickly testing the build after each sprint and cutting down thousands of man hours for manual testing.

## CO-CURRICULARS AND ACHIEVEMENTS

- Co-authored a paper titled "**Telehealth-based Intrapartum Monitoring: Impact of Clinical and Technical Factors on Remote Decision Making**" that's published in the International Journal on Advances in Life Sciences and received "**BEST PAPER AWARD 2019**".
- Received "**Take Ownership to Deliver Fast**" & "**Best Cross Functional Team**" Award for my individual and team contribution in Intelligent W-Assist project from Philips India.
- City Manager – Transition Readiness & Aftercare Chapter, Make A Difference(MAD) NGO, Bengaluru.
- Avid Traveler and Trekking Enthusiast. Completed Himalayan trekking near India-Nepal border.
- Student Organizer, Hall Committee for graVITas'14 Science Fest.
- Active Member in MAD (Make A Difference, Vellore).
- Secured among top 5% rankers in VITEEE-2011 out of 1,60,000 students.