APRATIM SAMUEL

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An Experienced ECE graduate having varied experience from operational management to core engineering having perceptive interest in Data Analytics. Seeking for a challenging role in the area of Data and related fields where I can use my skills for the growth of the organization.

EXPERIENCE

EASY REACH – Pune, India
Graduate Trainee, Embedded Systems   *Feb 2020 – April 2020*
- Assisted the Embedded Software Development team in making modifications in the EasyPlug: a Smart Plug Project which enables monitoring solution from remote location of any electrical equipment through a web based platform.
- Contributed with development codes in Embedded C for MC60 micro-controller to meet all the specified standards as per costumer requirements.

ST. FRANCIS HR. SEC. SCHOOL – Bilaspur, India
Trained Graduate Teacher, Mathematics   *Mar 2019 – Jul 2019*
- Taught Mathematics to 9th & 10th graders, administered tests and assignments and helped in creating teaching resources and plans. Maintained accurate and timely records of student academic progress.
- Corresponded regularly with students, parents, and administration to facilitate better student performance.

WORLD VISION. – Bilaspur, India
Coordinator Sponsorship Effectiveness   *Sept 2018 – Jan 2019*
- Managed Sponsorship Business Processes, Standards and Procedures for 3700+ Registered Children (RC) in 65 target villages.Facilitated the relationship and transformational impact between Sponsors, children, families and communities in target villages.
- Maintained and communicated child related records, correspondence between Donors and RC and monitored children for their well-being.Organized educational and cultural events and nutrition programs in target villages for the community children.
- Supervised 7 field staffs on Sponsorship Operations and ensured timely delivery of Sponsorship 2.0 contents.

KEY PROJECTS

CAN BASED HEART RATE MONITORING SYSTEM — ICIT, Pune University
Designed a CAN based heart rate monitoring system using PIC18F458 micro-controller that works on the principle of photoplethesmography. It consisted of two nodes. Node 1 captures the patient's vitals and transmits it to Node 2 using CAN Protocol. Node 2 was connected to PC where the patient's report was displayed in HyperTerminal using Serial Communication Protocol.

STRETCHABLE ANTENNA DESIGN FOR WIRELESS APPLICATIONS -– Karunya University
Created a range of stretchable and mechanically deformable micro-strip patch antennas using PDMS as substrate and silver nanowires (AgNws) as patch material for wireless applications. The antennas were simulated using FEKO.

EDUCATION

- PG Diploma in Embedded System Designing **–** ICIT, Pune University   *Jan 2020*
- B. Tech in Electronics and Communication Engineering **–** Karunya University, Coimbatore
  Cumulative GPA: 8.16/10.0   *Jun 2016*

SKILLS

Technical: Python, C, Embedded C, Assembly Language Programming PIC & ARM
Languages: Fluent in English and Hindi.   **Certifications & Training:** Data Analysis with Python, Python for Everybody, University of Michigan