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 the attained skills through past years could be leveraged for the growth of the organization.

KEY PROJECTS

PRELIMINARY PROGNOSIS OF HYPERTENSION/HYPO-TENSION
Performed and reported preliminary prediction of Abnormal Blood Pressure of 600 patients, using Random Forests and Gradient Boosting Classifier with 90.2% accuracy. Deployed the model on Azure ML Studio.

WOMEN SHOE BRAND'S DATA ANALYSIS
Analyzed the online e-commerce website's sales data of 55+ shoe brands to report meaningful insights for a women shoe brand about competition companies and suggested strategic actions to increase sales.

CAN BASED HEART RATE MONITORING SYSTEM –– ICIT, Pune University
Collaborated in designing a CAN based heart rate monitoring system using PIC18 micro-controller and programmed the nodes' configurations with Embedded C.

EXPERIENCE

EASY REACH – Pune, India
Graduate Trainee, Embedded Systems   4 MONTHS
- Coordinated the Embedded Software Development team of 3 members in making modifications in the EasyPlug: a Smart Plug Project which enables specified monitoring solution from remote location of any electrical equipment through a web based platform.
- Contributed with documented development codes in Embedded C for MC60 micro-controller to meet all the specified standards as per customer requirements.

ST. FRANCIS HR. SEC. SCHOOL – Bilaspur, India
Trained Graduate Teacher, Mathematics   5 MONTHS
- Taught Mathematics to 180+ 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   5 MONTHS
- 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.
- Organized and campaigned educational, cultural events and nutrition programs in 65+ target villages for the community children. Maintained and communicated child related records, correspondence between Donors and RC and monitored children for their well-being.
- Supervised 7 field staffs on Sponsorship Operations and ensured timely delivery of Sponsorship 2.0 contents.

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
Certifications & Training: Python for Everybody Specialization, Coursera; Data Analysis With Python, Jovian.ml