SAMIP FOZDAR

258 Hamilton Hall
University Park, PA 16802

(Permanent Resident)
Expected Citizenship: Oct. 2009

Phone # (C) 217 299 0073
E-Mail: srf5013@psu.edu

OBJECTIVE: Seeking a **Full-Time** position in area of **Control Syst./Sig Processing** from May 2009.

EXPERIENCE:

- May 08 –Aug. 08: **Arcelor-Mittal**, Riverdale, IL. Worked as an Electrical Engineer implementing a leakage tracking system for a vacuum bottle switch of an RC circuit using Ultrasound technologies. Learned the methodologies of RCM (Reliability Centered Maintenance) and applied to the ERP application to remove defects in the design.

- Jun 07-Aug 07: **Accenture**, Columbus, OH. Worked as a Consulting Analyst for the client - State Of Ohio **OAKS** Project **(**Ohio Administrative Knowledge System**)** and was actively involved with the statewide implementation of a newly integrated Oracle/ERP PeopleSoft Computer System.

- Accenture, Chicago, IL. Worked as an **Analyst** for the BIS (Business Integrated Services) Team. Involved with Microsoft Portal Replacement and designed UW Campaign process flows.

EDUCATION

Major: B.S. in Electrical Engr **(EE)** from **Penn State**
Minor: Engineering Leadership Development (**ELDM**)

Expected Graduation **May-2009**

Current GPA: 3.62/4.00
Overall GPA: 3.21/4.00

COURSEWORK

- Digital Signal Processing
- Nano-Electronics.
- Continuous & Discrete Time Linear Systems
- Communication Systems
- Computer Vision
- Microelectronics
- Probability-Statistics
- Linear Control Systems
- Embedded Microcontrollers
- Circuits & Devices
- Stochastic Modelling

ACADEMIC HONORS

- Deans' List: Fall 2008
- Madden Trustee Scholarship In Engineering: Fall-07-Spring-09 (Penn State Univ.-University Park).
- President's Scholarship: Fall-05-Spring-08 (Penn State University-University Park).

TECHNICAL ACTIVITIES

SENIOR DESIGN Sponsored by **Harris Corp. (SPRING-09):** Developed an algorithm in MATLAB to detect gunshots of handguns and rifle guns using Wavelet analysis and Cross-correlation techniques. Developed an ROC (Receiving Operating Characteristic) curve that demonstrated the efficiency of detection system to be 80%.

ROBOTECH (The 2005 Robotics Competition): As a member of a 3-person team; designed and built a computer-programmable self-operative Robot 'The Hunter', 1st runners up at Penn State University.

SKILLS

Operating systems	Windows XP/2000/98/95 (Extensive), UNIX (moderate).
Programming Language	MATLAB, C, C++, Assembly language, PIC Basic Pro.
Hardware	6713 DSK DSP Board, Microcontroller, Signal Generator, Oscilloscope.
Software	MATLAB, AutoCAD, Solid-Works, P-Spice, People Soft, UC-4, Labview. Microsoft Visio, MS-Office, FrontPage, Dream-weaver, Photoshop.

LEADERSHIP EXPERIENCE

ELDM: Engineering Leadership Development Minor
Engineering Leadership: Have had outstanding Leadership roles in class as well as within the community.
Engineering Entrepreneurship: Involved with innovative and creative group projects of designing products from junk.

ESIO Organization: (Engineering Students for International Outreach)
Member since Fall-07: Volunteered and participated actively to raise funds for building a school in Cambodia.

LANGUAGES: English, Hindi, Gujarati.

REFERENCES: Available upon request.