

Pratik Gujral

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COLLEGE

INDRAPRASTHA UNIVERSITY

B. TECH | ELECTRONICS AND
COMMUNICATION

Grad: Jun 2016 | New Delhi, India

HIGH SCHOOL

ST. FRANCIS DE SALES

Grad: May 2012 | New Delhi, India

Class 12th: 90.60 %

Class 10th: CGPA 9.2

COURSEWORK

UNDERGRADUATE

Signals & Systems, Circuits &
Systems, Digital Signal Processing,
Digital Image Processing, Analog
Electronics, Digital Electronics,
Consumer Electronics,
Communication Systems, Microwave
Engineering, Mobile
Communication, Data Structures,
DBMS, Computer Networks,
Mathematics

INDEPENDENT

Machine Learning – Coursera
Data Science Specialization-JHU
Introduction to ML- Udacity
Introduction to Inferential
Statistics- Udacity
Introduction to Descriptive
Statistics - Udacity

SKILLS

PROGRAMMING

Proficient:

• Python • R • C++ • C

Moderate:

• MATLAB • SQL • HTML5 • JS

Familiar:

Java • CSS • ASP.NET

FRAMEWORKS

• Selenium • Flask

INTERESTS

Blogging at blog.pratikgujral.com

WORK EXPERIENCE

MARUTI SUZUKI | ASSISTANT MANAGER, R&D

July 2016 – Present | Gurugram, Haryana

- EMC Testing and Facility Planning (Aug '17 – Present)
 - RE, RI and ESD testing of under development models and Electronic Sub-Assemblies (ESAs) ensuring compliance to AIS-004 (Part 3)
 - EMC test lab facility planning for Maruti Suzuki R&D center
- In-Vehicle Networks Team (Dec '16 – Aug-17)
 - Hardware-in-loop Simulation (HILs) testing
 - CAN, LIN spec preparation and testing for all controllers in vehicle
 - KWP2000 and UDS diagnostic communication testing for ECUs
- On-Job Training (Jul '16 – Dec '16)
 - Closely worked with the line workers in Assembly and Powertrain shops to observe their practices, understand the systems and learn the manufacturing process as a part of the new-recruit training program

FIS GLOBAL | DATA SCIENCE INTERN

Jun 2016 – Jul 2016 | Gurugram, Haryana

- Performed time-series analysis in R on ATM transactions from 12000+ ATMs of leading banks across India, and built a model to predict the amount the number of transactions from any ATM based on past 4-years transactions data primarily using ARIMA and Holts Winters models.

NIIT TECHNOLOGIES | DATA SCIENCE INTERN

Dec 2015 – Feb 2016 | Greater Noida, Uttar Pradesh

- Performed cleaning of raw data and plotting in R

MARUTI SUZUKI | INTERN, IT DIVISION

Jun 2015 – Jul 2016 | Gurugram, Haryana

- Developed MSIL Catalogue- a native Windows Phone app that showcases the whole gamut of cars produced by the company
- Stack: C#, SQL Server, ASP .NET REST API, Microsoft Azure

IQQUEST TECHNOLOGY | SOFTWARE DEVELOPMENT INTERN

Jul 2013 – Aug 2013 | New Delhi

- Built a Payroll Solution in Java, Oracle 11g.

PROJECTS

- **ZairyoKanri**: Equipment management system built in Python to digitize previously used manual register entry process to issue lab equipment at Maruti Suzuki
- **Private Cloud**: Setup Microsoft private cloud in college lab. Sponsored by MODROBS project of AICTE, MHRD, New Delhi
- **Character Recognizer**: Built handwritten character recognizer having 85% accuracy
- **LFT**: Official Windows Phone app for NGO Leaders for Tomorrow
- **MyDrive**: File sharing website in ASP.NET SQL Server

ACHIEVEMENTS

- Microsoft Technology Associate: Networking Fundamentals (98-366) Certified Professional
- Facebook Developer Circles: Delhi Core Team Member & Organizing Committee
- Microsoft Student Partner
- Managed over 300 volunteers as College Representative at Leaders for Tomorrow
- A-Grade in college in-house training on Cloud Computing using Microsoft Azure