

SANDIPAN MANDAL

Male,26

Work Address

Media Lab Asia
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OBJECTIVE : To secure a challenging position where I can effectively contribute my competent skills efficiently.

PROFESSIONAL EXPERIENCE**1.Junior Project Officer ,IIT Kharagpur(From July 2008 to July 2010)**

Project : Shtuti II- A Vernacular Speech Recognition System sponsored by Media Lab Asia .

Responsibility :

- # Data preparation
- # Corpus collection
- # Training of speech recognition engine
- # Application Development : Speech Based E-mail and SMS Application

Platform : Sphinx,HTK, Perl,C,Shell Script,Java for GUI

2.Worked as Senior Engineer in TATA TELESERVICES LIMITED in switch . Experience (In O&M of Ericsson AXE 810 Switch from November 2005 to May 2008)**Responsibility :**

- # C7, SS7, MTP Signaling, STP management, IN interaction from MSC,BSC connectivity from MSC, CELL creation in MSC.
- # Software Block management.
- # B no. analysis, Routing Analysis, Charging Analysis, HLR, VLR Maintenance.
- # New POI implementation Maintenance.
- # Alarm Monitoring, Fault Detection and Correction.
- # National roaming Implementation.
- # Subscriber Management.
- # Handling of Customer Problems, Interacting with Billing for CDR verification etc.
- # Implementation of Number Series change in TTSL.
- # Health check and Backup.
- # New hardware addition.
- # Ericsson system based Command Automation Tool using C .This Tool takes printouts of previously defined Routes log. and gives a ready-made command as an output delimiting unwanted fields .
- # Automated Reports generation from Raw Data Dump and export to Excel format using VB.
- # Motorola system performance fault detection using shell script, and Crontab Utility in Solaris Platform .This utility records various fault in BSC and RAN side and gives auto sync to BTSs.

TRAINING /PROJECT

- # Ericsson AXE Survey (7 days), Ericsson OM (15 Days).
- # Ericsson system based Command Automation Tool in C.
- # Automated Reports generation from Raw Data Dump and export to Exel format using VB.
- # Final Year Project : Simulation and Performance Study of TCP Westwood under Dr. M. C. Govil using C, TCL and NS2.
- # Summer Training, 2003: 30 Days vocational training in BSNL (IT CELL): During that time completed inventory control system project under AGM Mr. Maitra.
- # Summer Training, 2004: 45 Days vocational training in college (MNIT), jaipur . During that time I have completed TALK UTILITY project in C.
- # Completed TFTP, HTTP toy proxy server (using C), small database projects.

EDUCATION

Indian Institute of Technology, Kharagpur : Pursuing M.S.
Malviya National Institute of Technology, Jaipur : B. Tech. in Computer Engineering
Rajballavpur High School : Madhyamik (10) , Higher Secondary (10+2)

PUBLICATIONS

1. **Sandipan Mandal**, Biswajit Das, Pabitra Mitra, “ SRUTI-II:A Vernacular Speech Recognition System in Bengali and an Application for Visually Impaired Community, ” *IEEE TechSym*,April ,2010.
2. Debmalya Sinha, **Sandipan Mandal**, Anupam Basu, “Sahaj Linux, ” *IEEE TechSym*,April ,2010.

SUMMARY OF SKILLS AND QUALITIES

- # Programming Language : C, C++, VB ,Familiar with NS2, Familiar with network programming
- # Known Database : MS SQL Server, MS Access
- # Operating Systems : DOS, WINDOWS, LINUX

EXTRA CURRICULA

- # Chair of the Cultural Team, IEEE TechSym'10, to be organized at IIT Kharagpur on April 3-4, 2010
- # Teaching Assistant for Programming Data Structures Lab (Autumn 2009, Autumn 2010) and Software Engineering
- # Got second prize in ALL INDIA CAMEL COLOUR CONTEST in-group D
- # Participated in district level computer fair and Exhibition 1999.Got 3rd prize in science debate in that Competition