Pranoy Shankar Dutta

LinkedIn: in.linkedin.com/in/psdmails

Mobile: +91 8904981611
Email: psdmails@gmail.com

Objective:
Proficient at developing algorithm intensive softwares from scratch in a startup environment. Experienced in developing software applications involving Text Predictions, NLP, Databases, Android Apps & Framework.

Experience:
Current:
Designation: Software Engineer, Android Apps & Framework
Company name: Micromax Informatics Ltd.
Location: Bengaluru
Working since: August, 2015

Past:
Designation: Software Engineer, R&D [June, 2014 - July, 2015]
Company name: Reverie Language Technologies Pvt. Ltd.   [Bengaluru based **startup**]

Designation: Software Engineering Intern [January, 2014 - May, 2014]
Company name: Reverie Language Technologies Pvt. Ltd.   [Bengaluru based **startup**]

Education:
MCA – Tezpur University, Assam, India – CGPA 8.3/10 – 2014
BSc in Computer Science – Pragjyotish College, Gauhati University, Guwahati – 75.8% – 2011

Technical Skills
Languages: C, C++, Java, SQL, Shell Script
Areas of interest: Data Structures, Algorithms, Databases, Compilers & Assemblers
Tools / Frameworks: Android SDK, MySQL, SQLite, Git, Gerrit, JUnit, JQuery, Hibernate ORM, EMMA

Selected Projects:
- **Custom ROM based on Android platform:**
  Creating a custom ROM (name to be shared in person) where I am involved in the following:
  - Power button feature & UI improvements
  - Notification panel feature & UI improvements
  - Calculator app feature improvements
  - Sound recorder feature improvements
  - Bug fixes in different modules like, File Manager, Messaging, Launcher etc.
  - Overall UI customization using overlay
  - JUnit test cases for some of the new features

  Organization: Micromax Informatics Ltd., Bangalore
  Team Size: 20
  Duration: 6 Months

- **Next Word Prediction Algorithm Development & Implementation :**
  Developed a text prediction algorithm for a multilingual android keypad app which suggests the next word as well as the current word (when partial word is typed) that the user is likely to type. It learns from the user's typing behavior and gets better with every word typed. It is designed to give grammatically correct predictions for English & 22 Indian languages.

Organization:	Reverie Language Technologies Pvt. Ltd., Bangalore
Team Size:	1
Duration:	8 Months

- **Music Lyrics Editor & Synchronizer:**
  Developed a web application where users can sync the lyrics with any music, download the synced lyrics file (in **.**LRC format) and also, share the lyrics with other users. When the music is played with the lyrics file, it will display the synced lyrics (text) along with the song.

Organization:	Reverie Language Technologies Pvt. Ltd., Bangalore
Team Size:	2
Duration:	4 Months

- **RESTful API for public database:**
  Developed a RESTful API where it works as a middleware between a public database and the users providing the web-browser URL as interaction medium.
  Input: A query with some of the predefined parameters in a prescribed format.
  Output: Record(s) from the database in XML format.

Organization:	Tezpur University
Team Size:	2
Duration:	4 Months

- **Video Library Management System:**
  Developed a Video Library Management System that manages all the tasks of Video Library such as searching the location of an album (Rack No.), finding the availability of an album, calculate the bill amount, summarization/report of daily transactions etc. in an automated way.

Organization:	Pragjyotish College, Gauhati University
Team Size:	2
Duration:	1 Year (Along with other courses of BSc final year)

Personal Vitae:
Languages known: English, Hindi, Assamese, French (Beginner), German (Beginner)
Hobbies: Playing cricket & volleyball, Travelling, Cooking, Listening to music, Surfing the net casually
Gender: Male
Marital Status: Unmarried
DOB: 1st March, 1990