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## Education

- A six month course in C-DAC (Diploma in Advanced Computing) from Know-it Pvt. Ltd, Alandi-Pune, Maharashtra in 2002 with 75.00% (Grade- A)..
- Bachelor's Degree in Electrical Engineering. from Regional Engineering. College Rourkela (Orissa)- Sambalpur University in 2001 with 55.64% (4 year full time course).

## Skill Summary

- Platforms: Microsoft Windows, Macintosh OS X.
- Languages: Objective C (with iPhone OS SDK), Swift, SwiftUI, Microsoft .Net 3.5, 2.0, 1.1 (Visual Basic .Net, C# .Net, ASP .Net), Visual Basic 6.0, ASP 3.0, Alamofire, CocoaLumberJack.
- Scripting: Javascript
- Databases: Microsoft SQL Server 2005/2000, Microsoft Access 2000, MySQL, SQLite, Datastore model for Google App Engine, Google's Firebase, Parse, Couchbase, MongoDB, Realm
- Project management tools: Team Foundation Server, JIRA
- Version Control System: Git (with Git Flow), bitbucket, SVN
- CoreBluetooth
- CocoaPods (Public & Private)
- Jenkins
- Design patterns: MVC, MVVM, VIPER, MVP.
- Unit testing frameworks: OCMock, XCTest, XCUITest.

## Work Experience

DeCurtis International Pvt. Ltd.  
Senior Software Engineer

Jaipur (Rajasthan)  
April-2014 – June-2020

DeCurtis International Pvt. Ltd.  
Software Engineer

Jaipur (Rajasthan)  
April-2012 – March-2014

- Developed a set of categories (Objective C) on UI elements like UIButton that enables specifying custom font in xib / storyboard thus reducing enormous code needed to apply custom font programmatically.
- Developed a custom Xcode project template with Documentation target added along with main target and unit test target. This template can be modified to start with a pre-defined structure of an Xcode project.
- Developed a custom class to perform iBeacon detection and broadcasting (Swift).
- Developed keychain wrapper to store secure information in iOS applications (Swift).
- Developed a web service class (both in Objective C & Swift) to perform web service requests using NSURLSession.

- Developed a ThemeManager (Swift) to apply theme to basic UI elements like UILabel, UIButton, UITextField etc.
- Developed a LogViewer (Swift) to view iOS application logs with features like search text in logs. It also enables sharing logs over AirDrop. This component can be integrated in an iOS application.
- Created private CocoaPods to make reusable classes sharable in iOS projects.

B24 e Solutions Pvt. Ltd.  
Senior Software Engineer

Jaipur (Rajasthan)  
April-2010 – April-2012

- Developed a class for rendering ePub books using CoreText framework for iPhone and iPad.
- Developed classes used for a dot & box game.

Qbit Systems India Ltd.

Jaipur (Rajasthan)

Senior Software Engineer  
Software Engineer

Jan 2008 - Mar-2010  
June 2007- Dec 2007

- Developed a custom UIButton control for iPhone application that addressed the issue of showing underlined text like hyperlinked buttons [a feature missing in iPhone applications].
- Developed a date slider control for displaying dates [5 dates at a time] in a sliding manner for iPhone.
- Developed a graph plotting control for drawing graph on iPhone.
- Accomplished design of user interface for an iPhone application programmatically using Objective C that contains web, sales and marketing statistics of client's business.
- Researched on Z-Wave and X10 protocol based home automation devices and analysed the device behaviour like on/off/dimming/temperature control.
- Created class libraries in C# .Net 2.0 that communicates with home automation devices through z-wave and X10 based USB controllers. It provides features like adding/ removing device from controller, device control, device status polling.
- Designed user interface in ASP .Net 2.0 for a locally running web application on home automation.
- Designed SQLite database for managing details (locally) of home automation application.
- Designed SQL Server 2005 database for online home automation web site

Cynosure Technologies Pvt. Ltd.

Jaipur (Rajasthan)

Senior Software Developer  
Software Developer

Jan 2007 - May 2007  
July 2005 - Dec 2006

- Created windows forms (Visual Basic .Net 1.1) for income tax filing application.
- Designed Microsoft Access 2000 database for income tax application.
- Created ASP .Net 1.1 Web Service for handling user registration for customers of various company software along with respective software updates.
- Developed a printing class library (based on .net framework printing classes) in Visual Basic .Net 1.1.

- Developed class library for Microsoft Word Automation that enables generating reports for income tax forms like Form 16.
- Developed a windows forms (Visual Basic .Net 1.1) application that reads data from a MySQL database and stores it locally as XML files for user manipulation and update back in the database on weekly basis.
- Developed a web application using ASP .Net 1.1 and Microsoft SQL Server 2000 for managing purchase and sale of hardware products.
- Developed a windows forms based application in Microsoft Visual Basic 6.0 and SQL Server 2000 for managing printing press statistics. It also provides printing reports using Crystal Reports.

Allay Software  
Software Developer

Jaipur (Rajasthan)  
July 2003 - May 2005

- Developed a windows forms based application using Microsoft Visual Basic 6.0 and SQL Server 2000 for managing school related details.