

## **RESUME**

### **VARUN . B . PATIL**

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### **OBJECTIVE :**

To apply knowledge gained in ways benifitting the company and learn the most from experienced colleagues to improve in every dimension and be of help to colleagues in any way befitting the ethical and moral values of the company.

### **EDUCATIONAL QUALIFICATION :**

#### **B.E Degree :**

- **Sri Jayachamarajendra College of Engineering, Mysore**

B.E in Computer Science and Engineering

<b>SEMESTER</b>	<b>SGPA</b>
First	10.00
Second	10.00
Third	9.70
Fourth	10.00
Fifth	9.85
Sixth	10.00

Cumulative Grade Point Average ( **CGPA** ) : **9.925/10** ( as of 6<sup>th</sup> semester )

**B.E Degree ( Additional Information ) :****● GATE 2011****All India Rank (AIR) : 585 / 136027      (Computer Science)****Score : 737/1000****Percentile : 95.57****Pre-Degree Qualification :**

INSTITUTION	UNIVERSITY / BOARD	EXAMINATION	YEAR OF PASSING OUT	% MARKS	CLASS OBTAINED
Sadvidya Composite Pre-University College, Mysore	DPUE	Pre-University Examination	2008	95.17	Distinction
J.S.S Public School, J.P Nagar, Mysore	CBSE	All India Secondary School Examination	2006	94.00	Distinction

**Pre-Degree Qualification ( Additional Information ):****● Sadvidya Pre-University College, Mysore****Subject combination : PCMC ( Physics, Chemistry, Maths, Computer Science)****2<sup>nd</sup> year Pre-University percentage : 98.3% ( PCMC )****CET ( Common Entrance Test ) Karnataka state ranking : 7****COMED-K state ranking : 8**

## HONORS AND AWARDS :

- Awarded *Shield of Honor* for topping my batch in Pre-University at Sadvidya Pre-University College, Mysore.
- Awarded during the Installation Ceremony of the **Lions Club of Mysore**, Vijayanagar branch for my achievements in the Karnataka CET state level exam ( 7th rank ).
- Awarded a **merit prize** money of ₹6000 by **Karnataka Veerashaiva Vidyabhivrudhi Samsthe** for securing 95.17% in P.U.C examination held during March/April, 2008.
- Received *Certificate of Merit* for securing **4th rank ( National Level )** in the **7th International level Science Talent Examination** 2005.
- Received Certificate of Excellence for securing **All India Rank of 676** (64 %) in the **National Level Science Talent Search Examination ( NTSE )** - 2006.

## PROJECTS UNDERTAKEN :

- **Automated Telephone Billing System :**

Platform : **Windows / Linux**

Programming Language : **C**

Scope :

Automatic bill generation for both prepaid and postpaid customers taking into account the tariff plan chosen by the customer and the talktime of various categories of calls made by the customer.

- **Parser Generator to recognize major C constructs using Yacc :**

Platform : **Linux**

Language : **Yacc specification syntax, Zenity user interface command language**

Scope :

A parser capable of recognizing major C constructs like variable declaration and definition, single and multi-line comments, conditional statements like if, if-else, else-if ladder; looping constructs like for, while and do-while loops. Capable of identifying and notifying errors. Zenity provides the GUI.

- **Insertion, Deletion and Searching of integer elements in (2,4) trees :**

Platform : **Linux**

Programming Language : **C**

Scope :

Insertion, deletion and searching of integer elements in a (2,4) tree with full graphic display of the tree using “dotty” in linux and automated graph generation for comparison of execution times for random number of input elements and algorithm documentation in “Latex”.

- **SQLite database for storing one-day and test cricket statistics of former and current players in team India :**

Platform : **Linux**

Language : **SQL syntax using SQLite 3**

Scope :

Linux shell script for easy insertion of database elements and to display the output of a list of sample queries encompassing all major SQL constructs and provision for user to specify own queries on the database.

- **Page Replacement Algorithm Simulator :**

Platform : **Windows / Linux**

Programming Language : **C++ in Qt creator**

Scope :

The projects simulates three well known page replacement algorithms namely FIFO ( First-In First-Out ), LRU ( least recently used ), Belady's Optimal and compares their efficiencies. GUI created using Qt.

- **My own website with integrated blog :**

Platform : **Any OS and browser**

Language : **HTML5, CSS3, Javascript, Perl 5, PHP, jQuery**

url : <http://varunpatil.xtreemhost.com>

<http://varunbpatil.atwebpages.com/home.html>

Scope :

A website containing multiple web pages and using Cascading Style Sheets(CSS) to style the web pages. An integrated blog for my favourite posts. Includes javascripts for verifying users browser compatibility, displaying web-server time and facebook social plugins and for displaying a rotating banner. Perl CGI scripts used to send mail. PHP supporting page likes, post likes and comments. Admin page with user authentication to modify blog directly. Simple animations developed using CSS3 transforms and jQuery.

## SKILLS :

- Fluent in English and Kannada.
- Proficient in public speaking.
- Excellent hands-on experience in **C, C++ and Java** programming including use of integrated development environments like **Nokia corporation's Qt SDK** and **Microsoft Visual C++**.
- Commendable web-development knowledge in **HTML, CSS, Javascript and PHP**.
- Knowledge of **Perl** and **Python** scripting languages.
- Comfortable working on **both Windows and Linux** operating systems. Have worked on Ubuntu and Linux Mint distros.
- Ability to **use resources at hand** like the internet, effectively, to quickly come up with feasible ideas and solutions.
- Ability to **learn new skills quickly** from peers and tutors.

## CO-CURRICULAR ACTIVITIES :

Music, guitar learner and enthusiast, avid reader of novels and latest technology reviews, automotive technology enthusiast, active blogger and web designer.