HARICHANDANA B.S.S

B.Tech, Information Technology

(2016- 2019)

National Institute Of Technology, Karnataka

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EDUCATION:

DETAILS	UNIVERSITY/ BOARD	INSTITUTE	YEAR	PERCENTAGE/ CGPA
B.Tech Information Technology	*National Institute Of Technology, Karnataka*	*National Institute Of Technology, Karnataka*	*2015-present*	*9.32*
Pre University	*Karnataka, State Board(PCMS)*	*Vidyaniketan P.U Science College, Hubli*	*2015*	*97.6 (State 10th)*
Secondary School	*CBSE*	*Sri Taralabalu Jagadguru School , Davanagere*	*2013*	*10.0*

TECHNICAL SKILLS:

C, Java, Android, UNIX (Bash) – (Intermediate experience)

x86 Assembly Language, HTML, CSS, Python, R-(Basic experience)

PROJECTS: (Available in GitHub-*https://github.com/Harichandana-BSS*)

- BANK MANAGEMENT SYSTEM- A project to keep track of the details of customer accounts. This is done using **Java** .The customer has multiple options such as create new account ,withdraw or deposit money , print account balance . The project keeps track of all the customer accounts through File management operations.
- 2D RACING GAME USING OPENGL-   Combination of **OpenGL and Java** swings project. This provides three vehicle designs – car, boat, plane all of which are combination of simple geometric figures. The game ends when the user's vehicle collides with automatically generated vehicles. The GUI uses java swings.
- WHEATHER REPORTER- A **Python** project. This allows the user to see the wheather condition of a particular place. This also outputs the UV exposure rate, ozone, sun rise and sun set time at that particular place. This uses pyowm .
- SMART ALARM CLOCK – A **Unix** Project That allows the user to send a mail, execute a command, open a URL, and set alarm at a particular time. This is done in Bash script.
- CHARACTER DEVICE DRIVER – A **Kernel Programming** Project. It Is a Simple device driver which taks input from user and prints it out, done by adding modules to the kernel.
- STOP AND WAIT PROTOCOL – Depiction of the working of stop and wait potocol using **Raw Sockets in C**. This depicts all the cases including the frame lost and the Acknowledgement lost cases.

- SCARNE'S DICE GAME- **Android** game. It allows the player to roll the dice until he wants to stop or number one shows up. The player plays against the computer.
- TEXT EDITOR- Implementation of some of the functionalities of notepad using **Java**.
- QUIZ GAME- A MCQ quiz Game using **C**.
- A SIMPLE COLLECT THE OBJECTS GAME- Game implemented using **Unity 3D**
- ANALYSIS AND IMPLEMENTATION OF RESEARCH PAPER: "Multiprefix Trie- A New Data Structure for Designing Dynamic Router-Tables"

EXPERIENCE:

- Interned at Biztime IT Solutions Pvt Ltd for one and half month (May-July 2017)

ACHIEVEMENTS:

- Member of Amateur Astronomy Club.
- State 10th in 2nd PU Board Exams.
- Certificate of completion in the course Introduction to R – Microsoft, Datacamp.
- Certificate in Applied CS with Android – Google.

ACTIVITIES:

- Basic Knowledge of Japanese Language
- Interested in Drawing
- Volleyball and Badminton

COURSES:

➢ Department Courses:
  o Design and Analysis of Algorithms
  o Data Structures and Algorithms
  o Operating Systems
  o Digital Design and Computer Organization
  o Paradigms of Programming – I
  o Unix Programming
  o Paradigms of Programming – II
  o Computer Graphics
  o Object Oriented Analysis and Design
  o Computer Communication and Networks

➢ Mathematics Courses :
  o Mathematics Fundamentals in IT (Graph Theory + Probability Theory)
  o Engineering Mathematics I (Sequences and Series + Relations and Functions)
  o Engineering Mathematics II (Calculus)