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ROHIT NIGAM

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Education

- **Manipal Institute of Technology** (2011-Present)
  - Bachelor of Technology in <u>Information Technology</u> (I.T.), 8th Semester
    Current CGPA: 6.9/10

Employment

- **Cerner Healthcare Solutions**
  Software Developer Associate (*January 2015 – **Present***)
  - Currently an Intern. Working on ASP.NET, HTML5, CSS3 and SQL.

- **CrimsonLogic India Private Limited**
  Software Engineer Intern (*6 weeks, May – June 2014*)
  - Implemented the logger system for the project assigned, to log all exceptions occurring in the Java-based Web Application onto a file. Logger configured using <u>slf4j framework and logback API.</u>

- **Reliance Telecommunications**
  Intern (*3 Weeks, July – Aug 2013*)
  - Created a "Complaint booking & Customer Care desktop portal" for Windows.
  - <u>Coded in Visual C# (VS2012), front-end design components using Photoshop, MS Access for database.</u>

Languages & Tools

Proficient: **Java**
Experienced: **C/C++, SQL, HTML, JavaScript**
Familiar: **Python, Assembly, Embedded C, Shell scripts, Visual C++, Socket Programming using UNIX APIs, C# .NET**
Tools: **Adobe Photoshop, Netbeans IDE, Visual Studios, Eclipse, IBM Infosphere, Git & GitHub, MCU8051IDE.**
OS/Platforms: **Ubuntu, Windows, Android**

Technical Experience

PROJECTS

- *Currently working on* – Android Project (Music based social network);

- **Hotel Management System**
  Visual C# Windows Form Application, UI components designed in Photoshop, ORACLE 11g
  - Implemented reception desk portal for room booking and billing, room service portal for guests, restaurant's menu and ordering, kitchen portal for orders, staff portal, and admin portal for manager.

- **COOK & BYTE**
  Visual C# Windows Form Application, UI components designed in Photoshop, ORACLE 11g
  - Implemented user sign-up and recipe submission, along with recipe search that allowed users to search through all recipes using filters like name, cuisine, difficulty, ingredients, time.

- **Student assessment & marking portal**
  Java (Netbeans), MySQL
  - Implemented Role-based Access Control for 3 user types: Professors, Teaching Assistants and Students.
  - Provide different functionalities to the roles, power to grant and revoke access to other roles.

- **Soil Moisture Censor and Water Irrigation System**
  Intel 8051 microcontroller, YL-69 moisture sensor module, Embedded C
  - Turned on/off the irrigation system depending on the moisture level of soil or timer

- **Compiler Design**
  - Compiler for sample C program using **Lex and Yacc** for tokenization, parsing and intermediate code gen.

- **"PageRank Link Farm Detection" (TECHNICAL PAPER)**
  http://www.ijeijournal.com/papers/Vol.4-Iss.1/I04015559.pdf
  - Created a modification of PageRank formula (naming it 'GapRank') to detect spam pages called 'Link Farms' that falsify the rank of itself and other pages.

Other Experiences & achievements

- **President, IE CSE** (University's official Computer Science Club) - April 2013 – May 2014
  Management Committee (April 2012 – March 2013)
  - Managed a workforce of 135 members with an Executive Board committee of 11, as its Head.
  - In-charge of a design studio that took up Web Development and Graphics Design for various clients.
  - Running the only technical blog of the college http://blog.iecsemanipal.com
  - Host and manage the annual Computer Science Festival – PROMETHEUS 3.0– from theme formation, to publicity ideas, events conception, financing and final execution, with the collaborative team effort of the whole work force.
  - Event Head for three major programming contests – Code Sprint, Power Play, KAISER – formed the test and programming questions on C++/Java, testing students on their speed, algorithm implementation skills and efficiency.

  www.iecsemanipal.com

- **Google Developers Group – GDG Manipal**
  Manager, Feb 2014 – Jan 2015
  - A community for developers to work on Google technologies and be part of various events & hackathons. http://goo.gl/8G3FZx

- **Workshops conducted**
  - **JavaScript** – with a turnout of 150 participants. Introducing the basics of JavaScript as a dynamically typed language. Explain the syntax, variables, arrays, branch structures, functions, objects.
  - **Photoshop** – with a turnout of 100 participants. Explained the Flat Design trend, with hands-on session in flat design posters, use of proper colors, long shadow and flat components for Web UI.
  - Made an online tutorial session on **Dart** https://www.youtube.com/watch?v=7PoIrjK5dVo
  - **Google Cloud** – Intro to the platform plus hands-on session
  - **Android Training Session** – Conducted for GDG Manipal's Hackathon

- **Other works-**
  - **Web Design Head for the annual technical festival of the university (TechTatva 2013**) - Co-ordinated with 18 other categories and kept the website update throughout the fest.
  - **Organizer for Graphics Design in the annual cultural festival of the college (Revels 2013**) - Created the designs for delegate cards, posters, banners and certificates.