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VENKITESWARAN R.

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EXPERIENCE

Associate Software Developer   **Sabre Travel Technologies**   **Aug 2014 - Present**

- Designed, created and enhanced RESTful APIs on the travel ecommerce platform lastminute.com.
- Integrated a leading payment gateway for customer booking that led to a 5% increase in payment.
- Implemented architectural backend changes to convert the "checkout" section to responsive UI.
- Worked on various tasks to achieve continuous integration and continuous delivery.

Software Engineer, Intern   **Google Summer of Code**   **May 2014 – Aug 2014**

- Developed games on the Arduino powered gaming platform Gameduino 2 using the concurrent programming language Ceu.
- Redesigned the gaming algorithms to be concurrent.

Software Engineer, Intern   **Goldman Sachs**   **May 2013 – Aug 2013**

- Designed and developed a couple of frameworks for automating integration testing.
- Redesigned and implemented an existing testing application into a more scalable framework.

EDUCATION

B.Tech. in Computer Science Engineering.   **May 2010 – May 2014**

College of Engineering Trivandrum   CGPA: 8.4/10

AISSCE (XIIth), CBSE   **April 2010**

Kendriya Vidyalaya, Ernakulam   95%

AISSE (Xth), CBSE   **April 2008**

Kendriya Vidyalaya No. 1, Calicut   94%

LANGUAGES AND TECHNOLOGIES

- **Languages**: Java; C; C++; SQL; PHP; Android; HTML; CSS;
- **Frameworks**: Spring(Java); CodeIgnitor(PHP); LAMP stack; WordPress(PHP);
- **Database**: MySQL;
- **Version Control**: Git; Perforce;

ACADEMIC PUBLICATIONS

- **Android Malware Attacks and Countermeasures: Current and Future Directions**, IEEE ICCICCT 2014. A detailed analysis of malwares in Android and their countermeasures and proposals on some novel malware and anti-malware software.
- **Dissecting SMS Malwares in Android**, IEEE IC3IC3 2014. A proof of concept SMS Malware in android and some countermeasures to the same.
- **ERP Solutions for SMEs Using Cloud**, ADCAP 2013. A proposed ERP solution for SMEs using cloud, Drupal etc. that is efficient and economic.

PROJECTS

- **SuperMeal** (2015). A mobile based platform to connect restaurants with over supply of food with NGOs in need of food. **Android, iOS, PHP**.
- **Recommendation Engine for social networks** (2014). A hybrid recommendation engine using content-based and collaborative based filtering for niche social networks. Improved precision by 60%. **Java, PHP**.
- **Rent-A-Car** (2013). A GUI application for managing a car rental portal. **Java, MySQL**.
- **Off the Hook** (2014). A web application for efficiently caching websites. Improved the efficiency by developing a 3 stage link-caching mechanism. **HTML5, PHP, JavaScript.**
- **Intelligent Real-time Vehicle Locating System** (2014). SMS, web and android based platform for efficiently finding the nearest free auto-rickshaw. **PHP, MySQL, Android**.
- **Room Cleaning Robot** (2013). A model room cleaning robot on the Firebird V platform. Implemented the A* algorithm for efficient path planning. **C++.**
- **AndroBot** (2013). An android controlled robot that takes command from the tilt of an android phone using Accelerometer sensors and Bluetooth. **Android, C.**

ADDITIONAL EXPERIENCE AND ACHIEVEMENTS

- Won the **third prize** and the audience choice award at **Ola Appathon 2015**.
- Runner-up at Envestnet **HTML5 Hackathon 2014.**
- Won **first prize** at E-yantra national level robotics competition 2013 at IIT Bombay.
- **Technical cofounder** at a technology startup **Findauto**.
- **Richard E. Merwin Scholarship 2013, IEEE Computer Society.** Awarded to around 12 students worldwide per year by IEEE Computer Society, on the grounds of leadership qualities and academic achievements.
- **Chairman, IEEE Computer Society student chapter**. Won the Outstanding Chapter Award 2013 by IEEE CS.
- **Vice Chairman, IEEE Computer Society India Council 2013,** Membership Growth and Sustainability Committee.
- **Chairman, Robotics Club** at college. Worked on various robotic projects. Taught basic to advanced robotics to juniors. Successfully coordinated five robotics events and robotics exhibition at national level technical fest in college.
- **Outstanding Achiever Award** in XIIth standard.