Rohit Nair

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Education

- **Master of Science in Computer Science** – GPA **3.76/4.00**   **May 2017**
  Indiana University, Bloomington, IN
- **Bachelor of Engineering, Computers** - **70.2%** (Distinction)   **May 2012**
  K. J. Somaiya College of Engineering, Vidyavihar (University of Mumbai), India

Relevant Coursework

- Algorithms Design and Analysis, Data Structures, Object Oriented Development and Design, Computer Networks, Distributed Systems and Cloud Computing, Machine Learning, Artificial Intelligence, Advanced Operating Systems

Work Experience

Bloom Insurance Agency, Bloomington **–** *Full Stack Software Development Intern*   **May 2016 – Current**
- Designed, implemented and **shipped code for a fortune 500 company**
- Designed and developed a new **Plan Comparison page** using C# Razor, HTML5, JS, Bootstrap, stored procedures, SQL
- Led and implemented the insurance underwriter feature for multiple clients
- Integrated 3rd party APIs such as SendGrid Email services & SMTP and SQL Server Reporting Services, Google Analytics
- Continuous Debugging of Production exceptions using tools such as Raygun and New Relic
- **Technologies**: C#, Razor, MVC, HTML5, JS, JQuery, Bootstrap, PL/SQL, RestSharp, Git, Agile Scrum, Visual Studio, Xamarin

Indiana University Bloomington – *Associate Instructor*: RDBMS, SQL, Entity Relationships   **Jan 2016 – May 2016**

Infosys Ltd., Pune, India **–** *Systems Engineer*   **May 2013 – Apr 2015**
- Built an application which enhanced digital telephony operations of *Time Warner Cable,* USA
- Ensured stability of apps and enhanced them, reducing issues/outages exponentially every month
- Processed call records, ensured proper bill generations and resolved client/customer/vendor issues daily
- Knowledge Transition: Trained new hires for the entire suite of business and retail applications

External Projects

JsPych – Automation of creating dynamic Psychology research experiment - React, Node.js, HTML5, JS, CSS   **Aug 2016 – Dec 2016**
Export Certificate Generation Automation, *Bhadhresh Traders*   **Nov 2012 - Feb 2013**
- Developed an application to automate certificate generation, increasing number of certificates generated per day 100-fold

Academic Projects

Chat Application: Socket programming (TCP), Client-Server architecture (Users on different hosts), AWS   **Nov 2016**
K-Means: Distributed mini-batch implementation using **HARP** in **Hadoop**   **Sep – Oct 2016**
Network Forensics: Implemented Wireshark to analyze network packets (PCAP traces)   **Sep 2016**
PageRank Algorithm: Implemented in a **Distributed** environment on a large data set using the MPI library   **Sep 2016**
Age and Gender Estimation using Images of Faces (70% Accuracy) | **Optical Music Recognition | Image warping**   **Jan - Apr 2016**
- Convolutional Neural Nets, k-Nearest Neighbors, Naïve Bayes, SIFT, RANSAC, Hidden Markov model

Artificial Intelligence Agents: Genetic optimal chromosome finder, Checkers, Tic-Tac-Toe, Robot path finder   **Aug 2015 – Nov 2015**
Kaggle Challenge: Developed a Multi-label classification system from multiclass data   **Dec 2015**
Distributed Intrusion Detection: Detect **Restricted Behavior** based on Windows Registries of hosts in a LAN   **Apr 2012**

Leadership

ICCA - Informatics and Computing Consulting Association**, Indiana University Bloomington**   **Oct 2016 - Current**
NSS, Ambernath-Youth Wing (NGO), Mumbai – *Executive Vice President*   **Mar 2010 – Apr 2014**
- Managed a team of 50 students. Responsible for Decision making, Marketing, Organizing, Personality enhancement
Infra and Security, K. J. Somaiya College of Engineering, Mumbai: Planned, organized and hosted events   **May 2008 - May 2010**

Technical Proficiency

Languages: Java, C, C++, Python, C#, VB.NET, shell **| Databases**: Microsoft SQL Server, MySQL, Oracle | Xamarin – IOS, Win, Android
Web Development: HTML5, JavaScript, Node.js, CSS, Bootstrap, React.js, ASP.NET | **MVC**, Git, Continuous integration - Jenkins, **AWS**