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ASHWIN ASOKAN

EDUCATION & EMPLOYMENT

Graduate	**University of Colorado Boulder**	**Aug 2015 – Dec 2017**

- Pursuing Master's degree in Computer Science with a focus on foundational aspects of programming languages & statistical approaches to process natural languages. **GPA: 3.725/4**
- Coursework: Theory of Computation, Natural language processing, Fundamentals of Programming languages, Algorithms, Program analysis, PL Design for interactivity, Network Systems, Machine learning.

Software Engineer II	**Amazon Software Development Centre**	**Oct 2014 – July 2015**

- Helped my team in mentoring new joiners; notable project participation being building a self-service solution for customer bank information management & data-driven improvements for legacy payment workflows.
- Amazon Information Security Community certified security reviewer; Reviewed five external facing web applications, two hosted in amazon.com, two in vendor central.amazon.com, one in payee central.com

Software Engineer I		**July 2011 – Oct 2014**

- Joined Vendor Payments Systems team, Hyderabad; introduced to domain knowledge through integration improvement tasks in java projects, utility Perl scripts for reports.
- Helped team to rewrite a couple of payments related web applications improving vendor experience; average usability ratings from users on improved applications higher than usual by 2 points on 10 point scale; TP90 Percentile (metric: for 90 percent of the requests) increased by 20%.

Software Engineer, Intern	**Exterro, Inc.**	**Dec 2010 – Feb 2011**

- Implemented user interface features for Fusion, an e-Discovery software suite for legal teams.

Under Graduate	**Government College of Technology**	**Jun 2007 – April 2011**

- Bachelor degree in Information Technology, April 2011**. GPA: 8.1/10**
- Coursework: Object Oriented Methodology; Computer Architecture; Database Systems; Data Structures and Algorithms; Computer Networks; Internetworking with TCP/IP.

TECHNICAL EXPERIENCE

Pet Projects

- **Incremental program analysis** (In Progress). Applying incremental computational techniques to program analysis problems like data flow analysis, control flow analysis and type verification.
- **Case Studies** (2016) on AVL Tree, Exception handling design in programming languages.
- **Approaches to improve decision reliability in vehicular ad-hoc networks** (2010-2011). Applying probabilistic ideas: Bayesian inference, Dempster-Shafer theory to the ephemeral network to increase reliability in shared knowledge & its impact on decisions. Presented the work in national symposium Exebit 2010 in IIT, Chennai.
- **Message Archiver in PDA Devices** (2010). Archive messages, conversations in Mobile silently in the background. A J2ME application which connects to java server to store & retrieve messages. Java, SQL, XML
- **Connect – web portal** (2009-2011). Built applications for college web portal. Developed adaptive online testing tool from scratch for inter-college tech fest. Maintained an Informational website for the symposium.

ADDITIONAL EXPERIENCE AND AWARDS

Part time Jobs (2016). Web Programmer for The Program for writing & rhetoric department. Tutor for freshman computer science subjects with Academic success and achievement Program both roles within the campus.

Sun certified Programmer for Java Standard edition 5.0 (2009). Scored 75%. 45 out of 60 questions correct.

Assisted course "Programming Fundamentals in C" (2010). Responsibilities include helping in course materials preparation, correcting answers, helping students in lab exercises; average rating of 4.5 out of 5.0.

Conducted Technical quiz & coding contest in Info Quest (2011). Responsibilities include helping in problem compilation, proctoring tests, correcting answers, presenting final round on stage for the academic audience.

First & Third Prize in Technical Quiz & Coding contest (2010). Awarded 1st & 3rd prize in intercollege Technical quiz & coding contest, out of 100 odd participants.

Languages and Technologies

C; Java; Python; Perl; SQL; JavaScript; Linux background; Web Services; Service-oriented Architecture;