

Kajal Varma

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EDUCATION

Georgia Institute of Technology, Atlanta, Georgia, USA

Aug 2018 – Present

- **Master of Science in Computer Science**, Specialization: Computing Systems, GPA: N/A
- Courses: Advanced Operating Systems, Big Data Systems, Computer Networks, Network Security

Birla Institute of Technology and Science, Pilani, K.K. Birla Goa Campus, India

Aug 2012 – May 2016

- **Bachelor of Engineering (Hons.) Computer Science**, CGPA: 8.64 / 10.0
- Courses: Operating Systems, Computer Architecture, Data Storage Technologies and Networks, Computer Networks, Data Structures and Algorithms, Network Programming

WORK EXPERIENCE

Software Engineer II – Intuit, Bangalore, India

Feb 2018 – Aug 2018

- Cross-platform developer for the TurboTax Desktop product for 5 million Windows and Mac customers.
- Worked on the implementation of a new technology stack aiming to replace the existing legacy model.
- Earned an Engineering Excellence Award for resilient rollout of the stack on Mac to 500,000 customers with zero customer issues.

Software Engineer I – Intuit, Bangalore, India

Aug 2016 – Jan 2018

- Designed and developed key business features on TurboTax Mac and Windows, such as a re-imagined collaboration experience, and a failover contingency module which prevents customers from being blocked.
- Owned the development of a standalone C++ library for use across Intuit teams and products with 95% code coverage and zero bugs in production.

Summer Intern – Intuit, Bangalore, India

May 2015 – Jul 2015

- Integrated location-based features into the TurboTax Universal Android application and built automation tools.

SKILLS

Programming and Tools

C++, C, Objective-C, Git, bash, Java

Environments

Linux/UNIX, MacOS, Windows

PROJECTS

Thesis on Energy Estimation of High-Performance Computing Applications

Jan 2016 – Jun 2016

- Prediction of energy consumption of an NVIDIA CUDA kernel through static analysis of compiled PTX code.

Real-Time Operating Systems – Memory and Scheduler Design

Jan 2015 – Dec 2015

- Deterministic Translation Lookaside Buffer (TLB) and cache design and simulation for hard real-time systems.

Raspberry Pi Surveillance System with Android Interface

Oct 2015 – Nov 2015

- Implementation of a surveillance system using a Raspberry Pi Camera, monitored through an Android app.

Linux Kernel Mouse Device Driver Implementation

Mar 2015 – Apr 2015

- Implementation of a kernel device driver module to change the brightness of the screen through mouse clicks.

HONORS AND ACHIEVEMENTS

Consumer Group Engineering Excellence Award – Consumer Group, Intuit India

Apr 2018

Winner – Intuit HackUtsav 2017, Intuit, India

Jul 2017

All-India Rank 17 – National Cyber Olympiad, India

Jun 2011