

Kumar Biplav

biplav@wisc.edu | +16089494406 | <https://biplavk.github.io> | <https://www.linkedin.com/in/kumar-biplav-4790667a/>
Madison, WI

Education:

Master's in Computer Science

Aug 2019 - Present

University of Wisconsin, Madison, WI, USA

- Coursework: Artificial Intelligence, Operating System, Data management

Bachelor of Engineering (B.E.) in Information Science & Engineering

Aug 2011- June 2015

The National Institute of Engineering, Mysore, India

GPA: **8.46/10.0**

- Coursework: Data Structures & Algorithms, Operating Systems, System Software, Networking, Database Management System, Discrete Mathematics Structures, Data Communication & Networking.

Technical Skills:

- **Languages:** C/C++, C# , Python, Perl, HTML, SQL, Shell Scripting, PHP
- **Libraries:** MySQL, Git, SVN, Sklearn, JIRA, Docker, Jenkins, Linux/Unix

Professional Experience:

Software Engineer, Qualcomm, India

May 2017 – July 2019

- Worked on Qualcomm's flagship internal tool designed to standardize and reform the development and testing process across all product verticals and in turn replace an array of multiple individual tools currently in place.
- Developed features for various work fronts such as company-wide standardized device communication, feature development flow, content management, smart reporting, device management and high-fidelity data tracking.
- Implemented a tool which captures the issues trends and generate analysis reports which helped project management to track different project efficiently.
- Implemented a software from scratch which automatically provides solution for reported issue based on data analysis from previous reported issues.
- Honored with Qualstar award twice in for outstanding performance in Software Analytics and Global Automation Project at Qualcomm.

Software Engineer, Nokia, India

July 2015 - May 2017

- Member of Flexi-platform a Linux based platform for IP applications, worked on High Availability System, Digital Signal Processing, Software Update Management, Backup & Restore, also fixed bugs reported by the internal or external customers.
- Implemented a feature for the communication of different types of Digital Signal Processing devices using C++ and shell script.
- Implemented a feature to detect the power state change in Digital Signal Processing Devices and act based on the change.
- Developed a Document Review Tool (Training project) using C#, which help multiple user to review a word document and provide inline comments.

Volunteer Experience:

- Worked as a coordinator in the intercollege fest at The National Institute of Engineering, Mysore and organized coding contest for the college fest.
- Mentored juniors and helped them with Data Structures and Algorithms

Academic Projects:

Program Dependent Flowchart Generator and Plagiarism Detection

Jan '15 – May '15

- Created a tool that generate flowchart of a program. Based on the flowchart comparison of the two programs are done and percentage of plagiarism is calculated
- Developed by using Shell script and PHP, Linux and Ocaml

Placement Portal

May '14 – June '14

- Developed a website for College Placement Department to keep track for student placement records using HTML, PHP, CSS, SQL and saved hours of manual analysis of Excel sheets.

SIC Assembler

Nov '13 – Dec '13

- Developed a tool which converts mnemonic operation code to their machine language equivalent using C.