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PROFESSIONAL EXPERIENCE

- Computer Scientist 2 (Software Development) **Adobe Systems** **(July 2020 – Present)**

  - **Role:** Responsible for development in CCWeb and Adobe Photoshop
    - Vector tooling support in CCWeb
    - Cloud Document support in Photoshop desktop.
  - **Language:** C++, JavaScript, Web assembly

- Computer Scientist (Software Development) **Adobe Systems** **(January 2019 – July 2020)**

  - **Role:** Responsible for development in Adobe XD, Adobe Dreamweaver and Brackets
    - Design and Implementation of POC of Adobe XD as WebApp.
      - Involved working with web assembly to port C++ codebase to web.
      - Also, got familiarity with emscripten/embind tool chain.
    - POC on LSP support in Brackets.
  - **Language:** C++, JavaScript, Web assembly

- MTS2 (Software Development) **Adobe Systems** **(October 2017 – January 2019)**

  - **Role:** Responsible for development of Adobe Dreamweaver and its services
    - Implementation of Bootstrap 4 support in Adobe Dreamweaver.
    - Dockerization of existing Dreamweaver microservices.
  - **Language:** C++, JavaScript

- MTS2 (Software Development) **Adobe Systems** **(February 2017 – October 2017)**

  - **Role:** Responsible for development of UI framework in Adobe Illustrator.
    - Worked on migrating old C++ based UI framework to ES6 based Torq framework.
  - **Language:** C, C++

- MTS (Software Development) **Adobe Systems** **(March 2016 – February 2017)**

  - **Role:** Responsible for development of Adobe Print Engine.
    - Worked on developing the multirip version of the product (multiple instances running concurrently)
    - Implemented multiDoc feature to handle multiple job at a time for better utilization of the resources.
  - **Language:** C, C++, PostScript, PDF

- Firmware Engineer (LTE Physical Layer). **Intel Corporation** **(June 2015 – March 2016)**

  - **Role:** Responsible for driver development of LTE/4G Modem (Measurement Module).
  - **Language:** C++

EDUCATION

I have completed my Master's in computer science from IIT Madras in 2015 with a CGPA of 8.66. My area of research was in theoretical computer science.

RESEARCH AREAS AND PROJECTS

- **Strong Rainbow Connectivity of Chordal graphs.**

  (M.Tech Project, May 2014 – May 2015)

  - Upper bound on SRC in chordal and 4-chordal graphs.
  - Hardness of computing SRC in split graphs.
  - SRC in Interval graphs.
  - Upper bound on SRC in strictly k-chordal graphs.

- **Finding Articulation Points in a graph in Parallel** (Concurrent Programming).

  (Course Project, April - May 2014)

  The project involved coming up with and implementation of a parallel algorithm to find all the articulation point in a graph, which further used to find dominator for every node in the graph. We used parallel BFS to implement our algorithm.

- **Steensgaard's Analysis and GH Shape Analysis implementation in PHP** (Program Analysis)**.**

  (Course Project, April - May 2014)

  The project involved building a web-based tool to calculate Steensgaard's points to information and GH shape information from the input given by user.

- **Compiler for custom language using flex and bison.**

  (B.Tech, Feb -April 2013)

  The main focus of this project was to build a small compiler for a language that offers a simple alternative to the basic programming constructs of C. The idea behind developing this compiler is to get familiar with the role of context free grammar (CFG) in compiler design.

SCHOLASTIC ACHIEVEMENTS

- Secured an All India Rank of 124 in Graduate Aptitude Test in Engineering, Computer Science and Information Technology (GATE) 2013.

SKILLS

- Programming Languages: C, C++, JavaScript
- Tools: GIT, Eclipse, Visual Studio, XCode, Perforce
- Operating System: Windows, Linux

HOBBIES

- Painting

OBJECTIVE

- To succeed in getting into a challenging position in a company where my skills can be improved and effectively utilized.