Bangalore, India

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EMPLOYMENT

SDE II **Microsoft** **March 2015 - Present**

Microsoft Dynamics

- Part of the team which built the brand new Engagement hub in Dynamics CRM 2016. Implemented many of the controls from ground-up, which were integral part of the new Engagement hub. We used React, Script# and C# to build this web application.
- Worked on building/maintaining CRM Telemetry Infrastructure. Scope of work ranged from writing Big data jobs for deriving insights, building a REST based endpoint (handle about 250 Million requests per day) for Client Telemetry event collection, etc.

System Software Engineer **Akamai** **July 2013 – Feb 2015**

Media CDN Team

- Worked on optimizing mid-tier component in Akamai's HD network.
- Designed and implemented SSL support for mid-tier component.
- Implemented an Internal Load Testing tool using Golang.

Intern **Center for AI & Robotics, DRDO** **May 2012 – June 2012**

- Developed a practical path-planning algorithm that generates smooth paths for an autonomous vehicle operating in an unknown environment.

EDUCATION

National Institute of Technology

Karnataka, India **Karnataka** **July 2009 – May 2013**

- Bachelor of Technology (B.Tech) in Computer Science and Engineering, May 2013. GPA: 8.25
- Courses: Algorithms and Data Structures; Operating Systems; Databases; Networks; Unix; Software Engineering Principles;

TECHNICAL EXPERIENCE

Projects

- Findmoviesubtitle.com (2015) – Developed a search engine to find the best subtitle for a given video file using file hash, file name, file size and length. These additional search parameters ensured that found subtitle was perfectly synced with Movie/TV show. *Javascript, MongoDB, Python, Flask*
- Congestion Control Algorithm (2012 - 2013). We analyzed a Layer 2 Congestion management Algorithm called QCN (Quantized Congestion Notification), which was developed for the IEEE 802.1Qa. We implemented the traditional QCN algorithm and identified drawbacks of it. Alongside we also proposed our modifications and improvements and compared it to the original algorithm via simulations on OMNeT++. Results showed that the modified algorithm was significantly better. *C++, OMNeT++*
- Nerve **:** Keyboard and Mouse sharing (2012) – Developed a keyboard and mouse sharking application. C
- Wallet Diary : Android Expense Manager (2011) – Developed an android app to keep track of day to day income and expenditure. *SQLite, Java, Android*
- **Computer Graphics Game** (2011). Developed a 3D Graphics game with Natural User Interface. A webcam enables users to interact with the game using gestures. *OpenGL, OpenCV, C*

ADDITIONAL EXPERIENCE AND AWARDS

- Secured **73rd rank in Karnataka CET** (out of 150 thousand - 99.83 percentile)
- Secured a **state rank of 112 in AIEEE** (out of 1 million – 99.4 percentile)

Languages and Technologies

- C++; C; Javascript; Python; Golang;
- MongoDB; nodejs; Flask; Android SDK; Windows Phone SDK; React.js;