

SHUBHI ASTHAN

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Experience

IBM Research – Almaden, San Jose, CA

September 2015 – Present

Senior Software Engineer

- Leading accomplishment awarded projects, involved in development of end-to-end solutions and predictive analytical tools in Cloud services, IoT.
- Applying Machine Learning models to quickly build prototypes.
- Development of integrated predictive analytics solution with performance management tool that can perform sales analysis of services.
- Patents and publications at top-tier conferences -NIPS, IEEE SCC, IEEE AI&MS, INFORMS.
- Awarded IBM Corporate Award 2020, 3 Outstanding Technical Achievement awards 2018, 2019.

AirWatch by VMware

July 2014 – August 2015

Software Engineer

- Worked on implementing a new framework for AirWatch Application and Device Management services hosted in multi-tenant SaaS and on-premise customer environments to securely manage application and content on employee mobile devices for Fortune 50 clients.
- Implemented service framework publishes information to customers from AirWatch SQL database about Application Catalog and Secure Content Lock to enable application and device management. It also provides automated policy compliance by scheduling actions and notifications on violation of defined rules.
- Awarded *Star Performer* within a team of 10 members for 2 quarters 2014 - 2015.

ClearConnex Inc.

Raleigh, NC

Software Engineer Intern

June 2013 – May 2014

- Developed Lua scripts for company's OS abstraction - ClearOS and ClearLink
- Removed OS dependencies of 12 drivers for Sierra Wireless Modems

EDUCATION

North Carolina State University

Raleigh, NC

Master of Science (MS) in Electrical & Computer Engineering

Aug 2012 - May 2014

Coursework:

Wireless Networks, Internet Protocols, Architecture of Parallel Computing, Computer Architecture, Advanced Computer Design, Embedded Systems, Agent Based Mechatronics.

University of Pune, India

Pune, India

Bachelor of Engineering (BE) Major: Electronics & Telecommunication

2008 – 2012

- Secured First Class with Distinction equivalent to magna cum laude
- Thesis: Mobile Tracking System for Cell Phones without using GPS-based Positioning

SKILLS

Languages: AngularJS, J2EE, JavaScript, SQL, Node.js, MongoDB, C, C++, Lua

Tools: Python Pandas and Scikit for Machine Learning, Apache Spark, Weka Machine Learning toolkit, Databricks, Git, Jira, TeamCity, Qtest, MATLAB, SQL Server Management studio

Services/platforms: RTC, UCD, ClearLink software suite, Ostinato, Wireshark, CloudFoundry, IBM Bluemix

Awards

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- IBM Corporate Award, 2020
 - Awarded prestigious Franz Edelman Award Finalist for Achievement in Advanced Analytics, Operations Research, & Management Science for 2019
 - Outstanding Technical Achievement Award for technical contribution to MPTW project for 2018, 2019
 - Outstanding Technical Achievement Award for technical contribution to SCAN project for 2018
 - WEST's (Women in the Enterprise of Science & Technology) Honorable Mention for Early Career Women (Making a Difference in the Community) award, 2018.