



Rajat Rai

Versatile developer with 3+ years of experience in the security, finance, and services software industries. Demonstrated professional skills in Python, JavaScript, React, Java, and Spring-boot. True collaborator with strengths in adaptability and accuracy. Experienced in Client Communication and Scrum. Accustomed to working with cross-cultural, global teams.

Education

JANUARY 2020 - CURRENT

Master of Science Computer Science/University of Florida

GPA: 3.83/4.0

Graduate Research Assistant at FICS Research Lab • Learning Excellence Award • Engineering Achievement Award

MAY 2013 - MAY 2017

Bachelor of Engineering Computer Science/Chitkara University

CGPA: 7.77/10.0

Member of Google Students Club • Winner of Design Sprint and Clean the Code • Organized Android Development Seminar and Hackathon sponsored by GDG and GSC • Technical Head for Algorhythm Fest in 2015 • Code Gladiators 2017 Semi Finalist

Skills

Java • C • C++ • Python • Go • F-Sharp • Akka • Spring • React • Redux • JavaScript • MySQL • Tensorflow • Keras • OpenCV • Linux/Unix • Matlab • Shell Scripting • REST • HTML • CSS • SaSS • MySQL • Webpack • Babel • Git • Junit • Jest • Leadership

Experience

JULY 2020 – PRESENT

Graduate Research Assistant/University of Florida, Gainesville

- Research on machine learning and computer vision, under Dr. Navid Asadi, trying to resolve problems in Automated PCB Hardware Assurance.
- Working on a region-based Neural network to locate and classify PCB markings as manufacturer logos in densely populated, high interference scenarios; Achieved 76% accuracy using a hyper tuned RCNN on FICS annotated and online PCB logos data.

JUNE 2018 – DECEMBER 2019

Senior Technical Associate/Genpact Headstrong Capital Markets, Pune, Maharashtra

Client: Credit Suisse

- Upgraded old in-house web applications using newer technologies (React, Redux, Spring Boot).
- Created an industry-leading data reconciliation tool with various authorization workflows and notification features.
- Increased code coverage on by 40% on an average per project with TDD using Jest and JUnit testing frameworks.

SEPTEMBER 2017 – MARCH 2018

Software Developer/Great Software Laboratory, Pune, Maharashtra

- Integrated third party vendor API's using Cloud Elements, a cloud API integration platform that enables developers to publish, integrate, aggregate, and manage all their APIs through a unified platform.
- Added/updated and assessed new/old APIs from various vendors, improved reliability, and performance
- Worked on SOAP/RESTful APIs and authentication techniques in cloud applications like OAuth, OAuth2, JWT

JANUARY 2017 – SEPTEMBER 2017

Software Developer Intern/Calsoft Ltd., Pune, Maharashtra

- Worked on a multi-platform distributed firewall using kernel/socket libraries in C/C++ and shell scripting.
- Contributed to porting/developing a virtual enforcement node to different flavors of Unix, also added advanced firewall filtering capabilities.
- Increased products customer base by adding support for AIX and Solaris operating systems support.

JANUARY 2016 – JUNE 2016

Software Developer Intern/Quick Heal Technologies P Ltd Pune, Maharashtra

- Worked on the RHEL OS and developed daemon to log network statistics for all the network interfaces accurately.
- Increased the accuracy of reported network statistics and contributed to UI-backend integration of Logs & Reports module