

Saurabh Banore

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Summary

- Computer Science Professional involved in Algorithms, Web Applications, Open Source Libraries & Machine Learning.
- B.E. Computer Science graduate with more than 3 years of experience as Software Development Engineer.
- Passionate about programming & delivering well-designed, correct, clean, test-covered & scalable software solutions.
- Working at Amazon, as a Software Development Engineer in Device OS on Vulnerability Remediation and Developing tools for handling the OSS components used across the platforms.
- Worked at Townscript, a BookMyShow Enterprise as Software Developer for developing features for recurring events and clickstream generation.
- Worked at IAEA, an United Nations Org as a Software Development Intern in Innovation Team. Responsible for prototyping of multiple projects.

Work Experience

Amazon

Chennai, India

SOFTWARE DEVELOPMENT ENGINEER | DEVICE OS ORG

Fulltime | June. 2020 - Present

- [Tablet - Multimedia]
 - Designed and implemented feature for restoration of global Dolby state for Fire Tablets.
 - Root caused and fixed multiple issues in split-screen, picture-in-picture features and Amazon's Exoplayer port.
 - Primarily worked in C++ and Java.
- [OSS & Vulnerability Remediation]
 - Designed & Developed tools for finding direct, transitive and reverse dependencies of OSS libraries used across the platform which helped identify blast radius of the changes made for vulnerability remediation and licensing guardrails.
 - Remediated 700+ Vulnerabilities in the OSS components in FireOS installed across all Amazon devices.
 - Designed & Developed tools for ensuring license compliance of code written for the Device OS.
 - Performed detailed analysis of usage of OSS libraries across FireOS and exposed the libraries as a part of new SDK for internal and third-party app developers.
 - Primarily worked in C++ and Python.

Townscript - A BookMyShow Enterprise

Pune, India

SOFTWARE DEVELOPER

Fulltime | Aug. 2019 - June. 2020

- Designed & Developed features for handling recurring events.
- Collaborated with Data Engineering Team to Conceptualize, Design & Develop a Spam event detection system with 92% accuracy for the platform
- Designed, Developed features for collecting clickstream and pageview data for the platform
- Designed & Developed in-house tag manager for event specific customisations
- My work mainly involved:
 - * Designing, writing and consuming HTTP-REST APIs
 - * Implementing the UI Designs and backend integration
 - * Research & implementation of PoCs of features for business requirements.

International Atomic Energy Agency

Vienna, Austria

SOFTWARE DEVELOPMENT INTERN | INNOVATION TEAM

Internship | July. 2018 - July. 2019

- Developed interactive prototypes and targeted communication for a Nobel Prize-winning center for cooperation in the nuclear field that promotes the safe, secure and peaceful use of nuclear technologies.
- Developed a chatbot for assisting users to smoothly migrate on the new internal company portal.
- Developed a Robotic Process Automation tool for the finance team for automating the repetitive operations.
- Implemented touch interactions in 3D space for an AR based visualization app for delegates highlighting global impact of Member State contributions towards laboratory research.

Education

B.E. Computer Science Engineering

Aurangabad, India

JAWAHARLAL NEHRU ENGINEERING COLLEGE, AURANGABAD

Jul. 2014 - May. 2018

Passing percentage - 76.6%

All India Senior School Certificate Exam

Washim, India

JAWAHAR NAVODAYA VIDYALAYA, WASHIM

Apr. 2013 - May. 2014

Passing percentage - 88.6%

Skills

C++ C Python Javascript Angular Java UNIX REST JSON XML SQL MySQL GIT Yocto
Flask Spring Boot HTML CSS Unit Testing AWS

Academic Projects

Classification of insects on crops using Deep Learning

PYTHON, TENSOR FLOW, CONVOLUTIONAL NEURAL NETWORKS, FLASK

India

Jun. 2018

- Sponsored project by Persistent Systems Ltd.
- Implemented the Convolutional Neural Network for identification of insects responsible for infestation of crops from photos in real time.
- Developed the Flask API for serving the Client side Android App
- Helpful for assisting farmers by recommending the correct measures to be taken for the eradication of the insects infecting the crops.

Godspeed

ANDROID, JAVA, PYTHON, FLASK, WEB SCRAPING

India

Apr. 2017

- Developed an Android Application based on web scraping for students of JNEC Aurangabad
- It assisted students manage attendance by notifying the number of safe bunks left.

JNV Washim Alumni Portal

PHP, MYSQL, JAVASCRIPT, HTTP

India

Jan. 2016

- Developed and deployed Alumni Portal for connecting alumni base with existing students of JNV, Washim. Got 500+ registrations.

Activities & Achievements

- Selected for ACM ICPC onsite regionals Amritapuri 2016
- Won 2nd prize in the domain of AI/Machine Learning in the project competition Concepts'18 at Pune Institute Of Computer Technology (Maharashtra, India)
- Winner and runner of multiple inter-college coding contests viz. Coderelay 2016, Stack Overflow 2016, Codetag 2017, Codesprint 2017, Codingo 2018, Code-o-holix 2018
- Awarded with State Level Award - Rajya Puraskar, Bharat Scouts and Guides, NVS
- Class representative in the 3rd Year of Engineering.

Personal Attributes

Quick Learner | Problem Solver | Adaptability | Leadership | Initiative | Team Work