Sasanka Kosuru

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EDUCATION

M.S., Computer Science   Aug 2022 - May 2024
San Jose State University, San Jose, CA
RELATED COURSEWORK: Database Systems and Big Data, Machine Learning and Natural Language Processing

B.Tech, Computer Science and Engineering   Aug 2016 - Aug 2020
CVR College of Engineering, Hyderabad, India, GPA: 9.29/10
RELATED COURSEWORK: Programming in Java, C, and Python, Data Structures and Algorithms, UNIX,
Object-Oriented Programming, Computer Networks, Operating Systems, Web Technologies, Cloud Computing, Computer
Architecture, Microprocessor Interfacing

TECHNICAL SKILLS

Languages: Python, Java, C, HTML, CSS, JavaScript, TypeScript
Frameworks: Vue.Js, React.Js, Django, Apollo GraphQL, Node.Js, REST
Tools & Technologies: MySQL, PostgreSQL, KnexJs, Git, Docker, BDD test automation, Terraform, AWS, Nginx
Operating Systems: Linux, Windows, macOS

RELATED EXPERIENCE

Software Engineer, ServiceNow Inc., Hyderabad, India   Jun 2022 - Jul 2022
- Fixed penetration testing bugs (CSV and SQL injection bugs) on Hitch platform.

Software Engineer, Hitch Works, Inc. (Acquired by ServiceNow), Hyderabad, India   Apr 2021 - Jun 2022
- Integrated translated string into the UI resulting in multi-language support in the Hitch platform.
- Built Node.Js APIs to move user data between regions to be compliant with GDPR guidelines.
- Mentored interns in automating 60 critical test cases using the BDD framework to reduce manual testing.
- Published BDD test results using GitLab CI/CD pipelines for identifying failing test cases during regression testing.

Software Engineer, Gnana Analytics Pvt. Ltd, Hyderabad, India   Sep 2020 - Mar 2021
- Built modular APIs and UI components for a discussion segment with Django framework, VueJs, and Javascript, facilitating easier interaction among client companies, auditors, and consultants in SOC2Central platform.
- Wrote unit test cases using Python to ensure stable functionality of the SOC2Central APIs.
- Built an SDK using Javascript for third-party developers to make applications for SOC2Central marketplace.
- Mentored an intern in developing APIs using Django to generate organizational structure of client companies.

Intern, Gnana Analytics Pvt. Ltd, Hyderabad, India   Dec 2019 - Aug 2020
- Created a dashboard with VueJs and Django to show upcoming and pending tasks, compliance controls review, and audit status.
- Automated evidence collection for making easier compliance process from Jira and Opsgenie tools.‹

PROJECT EXPERIENCE

IoT Assisted Digitalization of Corona Treatment System, CVR   Dec 2019 - Feb 2020
- Collaborated with Instrumentation department and developed an Android-based application to automate and monitor corona surface treatment systems, cutting labor costs in medium and small-scale businesses. Java, HTML, JavaScript, Android Studio, and Mitsubishi FX5U PLC Web server functions were used for development.

Virtual Reality Simulator for Intellectually Challenged People, CVR   Aug 2018 - Aug 2019
- Led a team to design a virtual environment using Unity 3D and C# programming, for training Intellectually Challenged people in Vocational Courses. Project was funded by the Government of India and IIT Bombay.

"Kruti", Smart India Hackathon   Dec 2017 - Apr 2018

- Proposed and created an Android app using Java and Firebase to connect tribal artisans with the Ministry of Tribal Affairs India, and sell products directly to consumers.

AWARDS AND RECOGNITIONS

Bronze Cup Winner, Mitsubishi Electric Cup, Bangalore, India   Feb 2020

- Won bronze at 5th Mitsubishi Electric Cup for developing IoT Assisted Digitalization of Corona Treatment System.

Finalist, Smart India Hackathon, Guwahati, India   Apr 2018

- Finalist in the Indian government's largest hackathon, SIH, for the Kruti project.