

Lakshay Nanda

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Aspiring Software Developer with experience in developing and testing web based products using agile software development life cycle methodologies and love to create customised solutions. Known for excellent troubleshooting, communication skills and working well under pressure with a team.

EDUCATION

University of Southern California, Los Angeles, CA
Master of Science in Computer Science
Courses: Analysis of Algorithms, Software Engineering

Aug 2021-May 2023
GPA 3.5

Vellore Institute of Technology, Vellore India
Bachelor of Technology in Computer Science and Engineering
Courses: Data Structures and Algorithms, Operating Systems, Database, Machine Learning, Networks and Communications

July 2016-June 2020
GPA 9.31

TECHNICAL SKILLS

Programming Languages and Frameworks: Java, C++, Python, JavaScript, React.js, Redux, Vue.js, Vuex, HTML5, CSS, SASS, Bootstrap, Spring, Kafka, Redis, Spark, Django, Node.js, REST APIs, Express.js

Database Management System: PostgreSQL, MongoDB

Tools: Git, Docker, Google Cloud Platform, VS Code, Jira, Trello, Asana, AWS Lambda, AGILE, Data Structures and Algorithms, OOP, FastAPI, Wordpress

WORK EXPERIENCE

Software Engineer

Anlyz Cybersecure Private Limited

July 2020-July 2021

Bengaluru, India

- Delivered scalable security features used to detect security threats in real-time. Developed as Cloud Infrastructure to reduce use of system storage by 70% and providing platform independence.
 - Contributed to developing REST APIs in Django Rest Framework for Dashboard and Reporting modules of Case Management System.
 - Materialised a custom dashboard feature using Vue.js and Kafka with custom chart widget builder for personal dashboard which increased user engagement by 30%.
 - Refactored the implementation of DRAIN algorithm to parse unstructured logs and improving log parsing time by 20%.
 - Developed an automation tool in Django Rest Framework to import custom rules for users to perform automation based on events improving user adoption by 40%.
- Technology Stack: Vue.js, Django, Vuex, Redis, Kafka, Elasticsearch, Java

Intern: Software Engineer

Anlyz Cybersecure Private Limited

Dec 2019-June 2020

Bengaluru, India

- Developed Reverss security system, an Endpoint Detection and Response (EDR) web application tool made by utilising Vue.js and Django reducing app size by 50% and improving load time by 30%.
- Established white list IP system and host server in Django Rest Framework with which login and sign up was allowed from whitelisted IPs to authenticate users with success rate of 95%.

PROJECTS

Cyberal | Python, Django, Vue, PostgreSQL, Docker

July 2020 – July 2021

- Developed a full-stack web application using with Django serving a REST API with Vue as the front end
- Implemented a custom dashboard feature with customised widgets with data from various sources like GCP, OCI and CyberArk.
- Developed a query builder component that helps to query the database based on the dynamic query generation feature and user can set rules based on which Alerts and Event logs will be generated.

Electronic Voting System: Facial Recognition and Bio-metrics

Dec 2019 – Mar 2020

- Focused on creating additional security features including facial recognition and bio-metrics to secure voting process by removing malpractices with success rate of 90%. App. No.: 202011013061.

Protect: California State Guard | Node.js, Express.js, Vue, Apex, Salesforce Lightning

Aug 2021 – Dec 2021

- Developed a web application for California State Guard to manage and filter their employees based on skill level for report generation and assessing mission readiness.

LEADERSHIP AND INVOLVEMENT

- Earned position of Joint Secretary for IEEE Computer Society, VIT from 2019 to 2020. Trained and mentored juniors on iOS app and Web app development projects as a Core Committee Member at Apple Developer's Group.
- Competed in several national level hackathons including AngelHack and HackIndia amongst others.
- Mentored a group research project at ICMDRSE-19), Chennai which led to publishing a research paper on Parallel computing.