

Prateek Shetty

(+91) 8617290922
Bengaluru, Karnataka, India
prateekshettybdmi@gmail.com

prateeks007.github.io/Portfolio/
linkedin.com/in/prateek-shetty-7375031a6/
github.com/prateeks007

TECHNICAL EXPERIENCE

Junior DevOps Engineer

AUG 2023 – Present

EOX Vantage

- Acquired foundational knowledge of Kubernetes and successfully implemented the EFK (Elasticsearch, Fluentd, Kibana) stack to enhance the logging architecture.
- Orchestrated the deployment and configuration of the Wazuh Security Information and Event Management (SIEM) solution across multiple servers, facilitating robust monitoring, threat detection, and real-time incident response functionalities.
- Implemented GitHub Actions to streamline the CI/CD process, reducing dependency on Jenkins and enhancing deployment efficiency.
- Collaborated with development teams, providing essential support for their tasks, ensuring smooth operations, and optimizing workflows.
- Took on the responsibility of conducting Dynamic Application Security Testing (DAST), identifying vulnerabilities, and enhancing application security, using Linux-based tools like Metasploit, sqlmap etc.
- Developed and implemented new security scripts to proactively scan for common vulnerabilities such as SQL injection (SQLI) and cross-site scripting (XSS), contributing to a more secure software development process.

Software Developer Intern / DevOps Intern

JAN 2023 – AUG 2023

EOX Vantage

- SDE Intern at EOX Vantage for 6 months, where I initially gained experience with JavaScript and the fundamentals of Ruby and Ruby on Rails.
- Responsible for migrating a client project from code to the company's low code platform. Utilized JavaScript, HTML, n8n, and Form.io for the same.
- Actively contributing to the DevOps team and expanding my knowledge of network security by conducting regular pen-testing using tools such as ZAP, Burp Suite, and sqlmap.
- Researched Circle CI as a potential continuous integration solution and successfully implemented it for one of the team's projects.
- Gained knowledge on Jenkins, Terraform, and Ansible, exploring their capabilities for streamlined development and deployment processes.

Virtual Internship

SEP 2021 – JUN 2022

Future Ready Talent

- Learned about and worked with Microsoft Azure Technologies.

Summer Research Intern

JUN 2021 - SEP 2021

ISFCR

PES University

- Worked on securing containers with least privileged capabilities using Seccomp and AppArmor profiles.
- Presented a comparison between Seccomp and AppArmor performances in relation to various syscalls.

SKILLS

Languages	Python, C++, JavaScript, SQL, Solidity, HTML, CSS
Frameworks and Tools	AWS, Kubernetes, OWASP ZAP, Burp Suite, Circle CI, Docker, Ganache, Selenium, GitHub Actions, React-Native, NodeJS, Wazuh
Communication	English, Hindi, Bengali, Kannada

EDUCATION

B.Tech. in Computer Science and Engineering, PES University, Bengaluru, Karnataka, India. AUG 2019—2023
Higher Secondary (PCMC), Alva's PU College, Moodbidri, Karnataka, India. 2017—2019
10th Standard, B.D.M.International, Kolkata, West Bengal, India. 2018

RELEVANT WORK

PROJECTS:

- **'Donation Monitoring System using Blockchain'**.
 - Investigated challenges in existing donation systems and proposed blockchain-based solution.
 - Implemented smart-contracts to ensure transparency and remove intermediaries in the interactions.
 - Leveraged Node.js and Vue.js to create a user-friendly web application interface.
 - Utilized Solidity, Ganache, and Truffle for blockchain development and deployment.
 - Paper-ID: **WR-NCR-BGLR-140523-7613**
- **'Football Database Application with Front-end'**.
 - Designed and executed a comprehensive 'Football Database Application' utilizing PostgreSQL (PSQL), highlighting proficiency in database management and design.
 - Leveraged Flask, HTML, and CSS to craft an intuitive and visually appealing web interface, emphasizing user-centered design principles.
 - Seamlessly integrated psycopg2, a Python database adapter, to facilitate the execution of complex queries on the football database, underscoring database connectivity skills.
 - Developed interactive features within the web application to execute queries and extract data from the database, showcasing hands-on experience in web development and database interaction.
- **'Analyzing Used cars dataset to find correlations in the same'**.
 - Used a publicly available dataset and performed operations like cleaning, normalization, hypothesis-testing to find correlations between various variables in the dataset.
 - Leveraged Python libraries including NumPy, Pandas, and matplotlib for data analysis and visualization.
 - Generated visualizations and reports to showcase the correlations found in the dataset.

LEADERSHIP/ACHIEVEMENTS

Winner of NetApp Hackathon from PES University.	OCT 2022
One of the top 400 winners in Meta Global Hackathon out of 3000+ participants.	SEP 2022
Qualified for the prototyping round of Zoho Creator Build an App Challenge on Hackerearth.	AUG 2022
Cleared the qualification round of Google Code Jam.	APR 2022
Global Rank: 157 in February Long 2022 - II, Division 3 on Codechef.	FEB 2022
Successfully completed Hacktoberfest 2020.	OCT 2022
Led a team of 6 members and stood first among 30+ teams in an ideathon held by my university, for creating a simple prototype for a portable bottle capable of producing drinkable water on the go.	AUG 2019
TechnoSpark, SDIT, stood first among 200+ teams by leading a team of 4 members and developing a model to replace inefficient road transportation vehicles by a proposed electric vehicle thus reducing the loss per annum to a nation's economy.	JUL 2018

PERSONAL INTERESTS

I love to play and watch football.
An avid reader of novels, comics, and books in general.