

# Prateek Shetty

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## 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

**10<sup>th</sup> Standard**, B.D.M. International, Kolkata, West Bengal, India. 2018

## SKILLS

<b>Languages</b>	Python, C++, JavaScript, SQL, PSQL, Solidity, HTML, CSS
<b>Frameworks and Tools</b>	Ruby on Rails, OWASP ZAP, Burp Suite, sqlmap, Circle CI, Docker, Ganache, Selenium, GitHub Actions, React-Native, NodeJS
<b>Communication</b>	English, Hindi, Bengali, Kannada

## TECHNICAL EXPERIENCE

**Junior DevOps Engineer** **AUG 2023 – Present**

*EOX Vantage*

- 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.
- 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** **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.

## RELEVANT WORK

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### 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.
- **'Flappy Bird Clone'**.
  - Associated with PESU I/O.
  - Utilized the Java LibGDX Library on the Android Studio platform for game development.
  - Acquired knowledge and applied concepts of game building such as colliders, box objects, and gravity.

## LEADERSHIP/ACHIEVEMENTS

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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

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