

HRISHIKESH KA

FULL-STACK PYTHON DEVELOPER | Django | FastAPI | React.js | Cybersecurity

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SUMMARY: Full-Stack Python Developer (Security-Focused) with expertise in building scalable, secure applications using Django, FastAPI, React.js, and AWS. Proven ability to develop phishing simulation tools, secure APIs (JWT, OAuth, RBAC), and deploy cloud-native applications. Experienced in containerized deployments, CI/CD pipelines, and cybersecurity best practices (OWASP, IDS/IPS, Network Security).

TECHNICAL SKILLS

- **Languages:** Python, Javascript, HTML, CSS, SQL, PostgreSQL
- **Backend & API Development:** Django, FastAPI, Flask, GraphQL, REST, WebSockets
- **Frontend:** React.js, Redux, Tailwind CSS, Ant Design, Web Performance Optimization
- **Database & Cloud:** PostgreSQL, MySQL, AWS (EC2, RDS, Lambda), Redis, Firebase
- **Frameworks:** Django, Flask, FastAPI, React.js, Django REST Framework
- **Libraries:** Node.js, Express.js, JQuery, Pandas, Numpy, BeautifulSoup, JSON
- **Security & Networking:** OAuth, JWT, RBAC, MFA, IDS/IPS, OWASP Security Practices, API Security
- **Secure coding practices:** Input Validation, XSS, CSRF, SQL Injection Prevention
- **DevOps & CI/CD:** Docker, Kubernetes, GitHub Actions, Terraform, OpenShift v2
- **Tools & Platforms:** Git, Linux (Server Administration - Nginx, Apache), Postman, VsCode
- **Concepts/Techniques:** REST-API-Development, Role-Based Access Control (RBAC), Authentication & Authorization (JWT, OAuth, RBAC, MFA, SSO), Web Scraping, API Integration, Object-Oriented Programming (OOP), ObjectRelational Mapping (ORM).
- **Design/UI:** Bootstrap, Semantic UI, Ant Design

WORK EXPERIENCE:

Full-Stack Python Developer (Security-Focused) June 2024 – Present
Deep Trace Cybernetics, Hyderabad, Telangana: [Link](#)

- Developed a phishing simulation tool, reducing security breaches by **40%**, improving phishing detection accuracy by **95%**.
- Built secure REST APIs with **JWT, RBAC, OAuth**, implementing **role-based access control**, reducing unauthorized access by **70%**.
- Deployed containerized applications on AWS (**EC2, RDS, S3**) using Docker & Kubernetes, ensuring **99.9% uptime & scalability**.
- Conducted **vulnerability assessments** & implemented **security hardening** for APIs, reducing **API attacks by 60%**.

Full-Stack Python Django Intern September 2023 – March 2024
Techmindz, Kochi, Kerala [LINK](#)

- Developed 4 e-commerce applications with Python, Django, and MySQL, ensuring scalable and secure back-end
- Built 5 dynamic and responsive UIs using React.js, Redux, and Tailwind CSS, enhancing performance, state management, and user interactivity.
- Improved user experience by 30% across 4 projects by integrating RESTful APIs with React.js and Django, enabling seamless data flow and interactivity.

PROJECTS

ALPHISH | Cybersecurity Phishing Simulation Tool | Deep Trace Cybernetics

Tech Stack: React.js, Redux, WebSockets, Python, FastAPI, Celery, Apache Kafka, MySQL, Recharts, D3.js, Zendesk API.

- Reduced phishing risk by **60%**, improved threat detection by **95%**, and optimized real-time data visualization.
- Built React.js, Redux, WebSockets, Recharts, & D3.js dashboards, reducing response time by 50% & improving data visualization.
- Implemented FastAPI, Celery, and Apache Kafka with JWT, RBAC, and OAuth for secure authentication, campaign tracking, and real-time analytics, boosting efficiency by 40%.
- Automated phishing management with API-driven data handling & audit trails, enhancing detection accuracy by 35%.
- Integrated Zendesk support into dashboards, reducing issue resolution time by 50% & improving user engagement.

ALSEC - Cybersecurity Product Suite | Deep Trace Cybernetics [LINK](#)

Tech Stack: React.js (Frontend), Node.js (Backend), MySQL (Database), Zendesk API

- Developed ALSEC as a cybersecurity product suite, featuring ALPHISH, a phishing simulation tool used to train and assess employees, reducing phishing risk by 60%.
- Built a database-driven system to manage phishing campaign data, security logs, and user interactions, ensuring structured cybersecurity tracking.
- Integrated Zendesk-powered support, automating security incident ticketing, reducing response time by 50%, and enhancing customer issue resolution efficiency.

Web Scraping with Python | Scraping Flipkart Data Using BeautifulSoup: [LINK](#)

- Scoped project to scrape data from 10 Flipkart pages, extracting details of smartphones under 50,000 rupees.
- Utilized targeted requests and BeautifulSoup in Python, achieving a 95% accurate data extraction rate.
- Processed data into structured pandas DataFrame, cataloging over 500 unique smartphone models. **Python ChatBot using the Natural Language Toolkit (NLTK) and Tensorflow libraries in Python: [LINK](#)**
- Utilized NLTK and Tensorflow for robust text preprocessing and neural network construction.
- Implemented intents.json to enhance the chatbot's conversational capabilities.
- Demonstrated proficiency in Python, NLTK, Tensorflow, and JSON data handling.

E-Commerce Website: [LINK](#)

- Developed an eCommerce site in 15 days.Led development using Python, Django, and frontend technologies.
- Improved checkout completion rates by 25% through streamlined shopping cart functionality.

CERTIFICATES/ACHIEVEMENTS

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| • Introduction to Containers, Kubernetes, and OpenShift V2 – IBM LINK | Issued By IBM Mar 2025 |
| • SQL(Advanced) – HackerRank LINK | Issued by HackerRank - 2025 |
| • REST API (Intermediate) – HackerRank LINK | Issued by HackerRank - 2025 |
| • Cybrary - CompTIA Security+ (SY0-601) LINK | Issued by Cybrary - Jul 2024 |
| • Cybrary - CompTIA Network+ (N10-008) LINK | Issued by Cybrary - Jun 2024 |
| • Full-Stack Python Django Developer LINK | Issued by Techmindz - Sep 2023 |
| • The Complete 2024 Web Development Bootcamp LINK | Issued by Udemy - Apr 2024 |

EDUCATION

- BSc - University Of Mysore | Karnataka CGPA: 7.5 | 2020