Bhargavi Poyekar

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PROFESSIONAL SUMMARY

Seeking a challenging role in IT to contribute towards organizational success and grow my knowledge.
- Possess strong Knowledge in Coding and Debugging. Some of my notable coding skills include:
  - Ansible for Automation of VM Management and installing Libraries.
  - Python Distributed System for Car Booking.
  - Django Website for Emotion-based music player with OOP-based system architecture.
  - Flask Application for calculating points from a receipt using Docker Environment, with endpoints.
  - Client-server Fail-silent token manager using gRPC and Google Protocol Buffer.
- Experienced in **RESTful API** integration, incorporating diverse APIs to augment LMS functionalities.
- Certified as an **AWS Certified Cloud Practitioner (CLF-C02)**.
- Proficient in utilizing **third-party APIs**, integrating payment gateways, messaging, location, and Zoom functionalities.
- Excellent decision-making skills with a positive approach.
- Ability to quickly adapt to different project environments work in teams and accomplish difficult tasks independently.
- Exceptional communication, analytical & interpersonal and problem solving skills.

TECHNICAL SKILLS

Languages and Databases: Python, Java, C/C++, PHP, Go, JavaScript, SQL, HTML, CSS, MySQL, SQLite, MongoDB.
Frameworks: Django, Django-Rest, Laravel, Angular, React, Node.js, Flutter, Android Studio, Scikit, TensorFlow.
Others: Ansible, GIT, Linux, Matplotlib, Pandas, NumPy, jQuery, Rest API, Ajax, Dockers, Kubernetes, CI/CD.

PROFESSIONAL EXPERIENCE

Software Developer Intern, University of Maryland Baltimore County　　　　**Jun 2023 - Aug 2023**
  - Automated the launch, configuration, and management of **50 virtual machines (VMs)** using **Ansible**, incorporating SSH-based debugging with jump hosts for seamless connectivity and troubleshooting.
  - Established a **Django website** for VM management, featuring a self-signed SSL certificate, resulting in a **30% latency reduction**.

Laravel Developer Intern, Origin Cloud Tech　　　　**Jun 2020 - Aug 2020**
  - Led development of a **scalable** LMS Website using the Laravel MVC Framework, resulting in a remarkable **increase of 150** active users.
  - Crafted an appealing user interface using **HTML5, CSS3, Bootstrap, and Javascript**, perfected database management with **well-structured design** and CRUD queries, demonstrating UI/UX design skills and reducing query execution time by **25%**.

Website Developer Intern, Ask in City　　　　**Jan 2020 - May 2020**
  - Elevated user experience and website functionality by designing and implementing new e-commerce features using **HTML and PHP**, leading to a **20% increase** in user engagement.
  - Incorporated **agile methodology** to optimize project efficiency, contributing to daily **scrum meetings** and fostering cohesive team collaboration, which culminated in a significant **10-day** reduction in project completion time.

PROJECTS

Software Engineering New Grad Personal Portfolio (Portfolio Link):
  - Built a responsive personal portfolio with an interactive, visually appealing UI for showcasing experience, projects, and research.
  - **Tech: HTML, CSS, Javascript Programming Language, Bootstrap, Ajax.**

Token Manager (Replication, Atomic Semantics, Fail Silent model, Object Oriented Design):
  - Developed a multi-threaded client-server application for token management with (1, N) replication.
  - Deployed a resilient **read-impose-write-all** protocol, ensuring accurate maintenance of token state information and fail silent behavior for server nodes resulting in a 95% up time.
  - **Tech: Golang, gRPC, Google Protocol Buffer, SHA-256, socket programming, Mutex.**

Cyber Attacks and Prevention (ARP Poisoning, SSL/TLS, Diffie Hellman, RC4, DOS, Firewall):
  - Simulated **MITM** attacks, achieving a 98% success rate in interception and access to sensitive information.
  - **Tech: Netcat, TcpDump, Arpspoof, Apache, Linux programming, Openssl, UFW, Hping, HTTPS.**

EMOMUSIC: (Computer Vision, Web Development, OOP):
  - Engineered an application achieving **96%** accuracy in identifying user's emotions through facial expression analysis.
  - Leveraged this analysis to offer personalized playlist recommendations, and created an advanced music player resulting in 25% increase in user satisfaction.
  - **Tech: Python, Django, CNN, HTML, CSS, Ajax, JQuery, JavaScript, SQLite, Pytorch, Numpy, Pandas.**

EDUCATION

University of Maryland - Baltimore County　　　　**Maryland, United States**
Masters - Computer Science; GPA: 3.92　　　　Aug 2022 - May 2024
Courses: Operating Systems, Computer Security, Artificial Intelligence, Computer Vision, Machine Learning, Data Visualization.

Sardar Patel Institute of Technology, University of Mumbai　　　　**Maharashtra, India**
B.Tech - Computer Engineering; GPA: 4　　　　Aug 2018 - May 2022
Courses: Object-Oriented Programming, Data Structures, Analysis Of Algorithms, Distributed Systems, Network, Web Development.