Harshad Prakash Bhandwaldar

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EDUCATION

Binghamton University | Thomas J. Watson School of Engineering & Applied Science College *Aug 2021 - Present*
Master's in Computer Science
Coursework: Database Systems, Design & Analysis of Algorithm, Operating System, Data Structure, Cloud Computing, Database Systems, Programming Language, Computer Organization and Architecture, Data Mining, Design Patterns

Savitribai Phule Pune University (SPPU), PUNE | Sinhgad Institute of Technology and Science
Bachelor of Engineering in Computer Engineering *Jul 2015 – Jul 2019*

TECHNICAL SKILLS

- **Front/Backend Language:** SQL, PLSQL, Oracle, C/C++, JAVA, Shell, Unix/Linux Command line, PHP, Python, .Net, OpenMP, Flask, FastAPI, SuperLinter
- **Tools:** PyCharm, Git-Workflow, Jenkins-CI/CD, GitLab, Heroku, Kibana, Elastic search, Kubernetes, VM eSXI, AWS, Google Cloud, Arduino, Azure, Pandas, Docker, numpy, scipy, matplotlib, scikit-learn, Visual Studio

PROFESSIONAL EXPERIENCE

4th-IR | Software Development Intern | New York *Jun 2022 – Dec 2022*
- Develop AI/ML models using REST API, flask, FastAPI, Prometheus, Tensorflow, Pytorch, etc
- Deploy models using Git workflow, Docker, and Kubernetes
- Identify and expose REST API to third party software platforms

The Research Foundation for SUNY | Research Project Assistant | Binghamton, NY *Dec 2021 – Present*
- Develop and troubleshoot oracle bugs
- Offer end-user with feasible solution to the problem
- Configure, deploy, and support research projects

Icertis Applied Cloud | Associate Technical Consultant, Product and Delivery Team | Pune, IN *Apr 2019 - Jul 2021*
- Developed and implemented feature enchantments on Azure based core products depending on client's requirement
- Solved complex product related bugs, security bugs, authentication issues
- Managed specific clients within project hyper care and go live period by providing end user product training, monitoring, working out on Azure cloud, MySQL database, QA validation and delivered it within deadlines

PROJECT EXPERIENCE

PI-Cloud: Smart Personalized Cloud for Corporations and Educational Institutes. **SPPU, Pune**
Team Leader, Developer *Jul 2018 - Mar 2019*
- Conducted researched in related area, studied gap analysis, designed framework, and implement the product feature
- Created project timeline, project workflow, design, modelling product, drafting diagrams using Lucid charts
- Developed apache server for school, colleges and startup companies that cannot invest in large expensive build servers operated by raspberry pi, PHP, MySQL(oracle)

Student Registration System **SUNY Binghamton**
Design and Development *Jan 2022 – May 2022*
- Conducted researched in related area, studied gap analysis, designed framework, and implement the product
- Created project timeline, project workflow, design, modelling product
- Developed frontend Java Swing application and using PL/SQL(Oracle) designed system that helped track student enrollment and system logs.

Nested Docker CI/CD **SUNY Binghamton**
Design and Development *Aug 2022 – Dec 2022*
- Conducted researched in related area, studied gap analysis, designed framework, and implement the product
- Created project timeline, project workflow, design, modelling product
- Develop pipeline for building docker images using docker (nested docker)

PUBLICATIONS

A Survey on Real-Time Application Latency based on Android OS **IEEE Xplore**
Presented paper at IEEE Xplore conference *Apr 2019*
Pi-Cloud: Smart Personal Cloud for Corporation and Educational Institutes **MD Infotech Special Edition**

CERTIFICATION

- Icertis Certified ICM Professional
- Exploit Level Ethical Hacking – IIT Kharagpur
- Basic Level Ethical Hacking – IIT Kharagpur
- Certificate for Completion of Cpp Training
- The Arduino Platform and C Programming
- Certificate for Completion of PHP and MySQL Training

LEADERSHIP AND INVOLVEMENT

- **SPPU: Technical Organization Council and Cultural Organization Council**   *Jul 2015 – Jul 2019*
    - Organized workshop and inter college competition
    - Involved in various cultural activities - Student coordinator, annual function, tech fest
    - Participated in various cultural activities and working of the Student Council at College Level
- **Blog Writer**
    - Writing blog for common problems in computer science
    - Maintaining GitHub repositories
    - IoT projects based on Cloud, Raspberry pi, NAS, Docker, Kubernetes
- **Binghamton University**
    - Volunteering at Hillel International
    - Volunteering at Gaspelin Lab - Visual Attention and Distraction Laboratory
    - Leadership Volunteer (Student Orientation) – International Students and Scholar Services (ISSS)

LINKS

- Portfolio - https://hb0313.github.io/home/
- LinkedIn - https://www.linkedin.com/in/harshadbhandwaldar/
- GitHub - https://github.com/hb0313