VENKATA ABHISHEK TIRUCHUNAPALLI

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https://github.com/abhishekvenkata1997

Education

Northeastern University	**Sep 2022 – May 2024**
Masters in Software Engineering	*Boston, MA*

Chaitanya Bharathi Institute of Technology	**Aug 2015 – May 2019**
Bachelors in Computer Science and Engineering	*Hyderabad, IN*

Technical Skills

Programming: C, C++, Java, Python, Javascript
Database Management:MySQL, OracleSQL, MongoDB
Front-end: HTML, CSS, Javascript, JSP, Angular, React
Back-end: SpringBoot, Java Servlets, NodeJS, Django
Operating Systems: Linux, Ubuntu, Windows and Mac
Office Softwares: Agile, Docker, Kubernetes, Matlab

Experience

Oracle — **June 2019 – August 2022**
Staff Consultant — *Hyderabad, IN*

- Handled the email and print letter configuration for over a hundred energy companies in America working on dynamic email configuration in HTML, CSS, and Javascript, database arrangement in OracleSQL, and delivery management in Ruby
- Developed two ad-hoc projects, a chrome extension using NodeJS for easy tracking, reminders for weekly time-sheet submission for our employees, and an 'Employee Benefits Hotline' page using Django and SQL to manage additional and weekend work-pay for our sub-division at Oracle
- Won three awards for Excellence in performance and Innovation in Q2FY20, Q3FY21, and Q1FY22 for accomplishments in projects and for consistency in work

Coding School India — **Jan 2019 – Jun 2019**
Lecturer — *Hyderabad, IN*

- Taught and managed a class on 'Problem-solving using Data structures and Algorithms' to help competitive coding skills to thirty-six students studying engineering.
- Developed a comprehensive coding questionnaire to prepare students for coding job interviews.

Hozi Digital — **Jan 2018 – Aug 2018**
Full Stack Developer Intern — *Hyderabad, IN*

- Developed checkonroadprice.com, using Javascript, Apache, and SQL, a website averaging ten thousand clicks per day

Projects

Malware Detection | *Python, Jupyter, Deep Learning* — **Mar 2021**

- Using algorithms in Convolutional Neural Networks(CNN) to convert input files to black and white of size 256*256 images made of binary values.
- These images are compared to the existing dataset of malware to detect any similarities. The success rate of 96 percent with new viruses tested.

JIRA - Task Management Tool | *SpringBoot w Java, Hibernate, HTML* — **Nov 2022**

- Develop a web browser to create, manage and edit tasks for multiple users using a Spring MVC Framework with Java and database Management with Hibernate and MySQL.
- Application uses multiple Java enterprise implementations like JPA database management, Annotations, Validators, Session management, Cookies, AJAX and JSP with JSTL imports

Insurance Management System | *Java, MYSQL, JavaFX* — **Dec 2022**

- Created an insurance management application to Register and login users, add new Insurance plans, edit plans, and raise claims for Insurance, Admin can accept user insurance claims, and search and delete users from the application.
- The website is fed by a large training set of data of several people who used insurance thus predicting the premium to be charged for the new user based on the factors.