

MAYUR DHEPE

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EDUCATION

Master of Engineering (ME) in Computer Science Virginia Tech Blacksburg, VA	August 2021 – May 2023
<i>Coursework:</i> Data structures & Algorithms, Software Engineering, Data Analytics.	GPA: 4.0/4.0
Bachelor of Engineering (BE) in Computer Engineering	July 2014 – July 2018
Vishwakarma Institute of Information Technology Pune, India	GPA: 8.0/10.0

SKILLS

Programming Languages: Java, C#, JavaScript, Python, PHP, C, C++
Web: ASP.NET, Java EE, SpringBoot, RESTful API, JSON, jQuery, React, Angular, HTML, CSS, Bootstrap, MySQL, MongoDB
Tools: NUnit, Postman, RabbitMQ, Jenkins, Bamboo, AWS, Azure, Kibana, SVN, Git, WildFly, Docker, Kubernetes, Microservices
ML Libraries: Scikit-learn, NumPy, Pandas, SciPy, Matplotlib, NLTK, TensorFlow, Keras, PyTorch
Others: Agile, Scrum, JIRA, Confluence, Windows, Linux, Figma, SQL Server
Soft Skills: Strong Communication skills, Leadership, Problem-solving skills, Critical thinking

PROFESSIONAL EXPERIENCE

Software Engineer Mediaocean Pune, India	July 2018 - July 2021
<ul style="list-style-type: none">Enhanced LUMINA product by developing 20 new features to manage financial media planning data and delivering optimal solutions consistent with business requirements in an Agile, CI/CD development environment.Added media plan and vendor flowchart customization functionality, which had an impact on around 80 Advertising agencies.Monitored production deployment by analyzing 10,000+ real-time application logs from Kibana and efficiently handled critical production issues by identifying root causes and communicating with the support team.Resolved more than 10 customer escalations by providing efficient Mongo scripts for urgent data fixes from production issues and handled data migration tasks in order to split a single model up into multiple Mongo collections.Reduced Media plan loading time by around 2 minutes through code refactoring and implementing caching mechanism.Mentored a team of new recruits and provided guidance in all kinds of activities from technical to functional.<i>Tech stack:</i> C#, ASP.NET, JavaScript, MongoDB, SQL Server, HTML, CSS.	
Software Development Intern Global Super Elite Pune, India	May 2017 - June 2017
<ul style="list-style-type: none">Developed a web-based platform using PHP to search for professionals in locality, schedule appointments and communicate with them over a voice/video call.Ensured high-quality and cross-browser compatibility, and reduced latency of video calls by 5% by integrating Twilio API.	
Summer Intern Shalaka Technologies Pvt. Ltd. Pune, India	May 2016 - June 2016
<ul style="list-style-type: none">Built a dynamic user Interface for a desktop application using JavaFX to display real-time sensor data from 30+ hardware devices connected in an IoT architecture.	

PROJECTS

Ride Now	Java J2EE, JPA, REST API, JSON, MySQL, PrimeFaces, WildFly, AWS
<ul style="list-style-type: none">Developed a Java EE cloud software application – Ride Sharing Platform for drivers and riders heading to the same destination.Integrated 2 Google Maps API Web Services – to embed map on UI showing travel route and estimate travel time and distance.Built user profiles and ride history dashboards to show previous rides' details to driver and rider.Deployed the web application to run under WildFly server on an AWS EC2 virtual private server.	
Automated B2C Marketing	PHP, Python, JavaScript, MySQL, HTML, CSS
<ul style="list-style-type: none">Created a Business to Customer Marketing platform to help businesses execute digital marketing campaigns across multiple social media platforms effectively and economically.Generated popular hashtags for images/posts on social media using YOLO Neural Network, which had a precision of 93% and was 100x faster than the popular 'Fast R-CNN' algorithm.Analyzed social media comments in order to gauge brand reputation using Sentiment Analysis performed through NLP and Machine Learning based approach.Integrated the application with Rest APIs provided by Facebook, Twitter & Instagram for posting a photo, retrieving comments and Likes on posts and created analytical dashboard from the collected data.	
Dogfooding application	C#, ASP.NET, React, MongoDB
<ul style="list-style-type: none">Developed a platform using C# and React JS for 'dogfooding' or carrying out internal beta testing of products/software services of a company and create bugs/enhancements for the product as a result of the testing efforts.Integrated with CI/CD tools like Bamboo, Jenkins to perform testing on various builds/versions of the product.	
COVID-19 Literature Clustering	Python, Scikit-learn, Jupyter Notebook
<ul style="list-style-type: none">Clustered similar research articles in a COVID-19 Open Research Dataset comprising of over 29,000 articles using k-means clustering, making it easier for health professionals to find relevant research trends.	

OTHER

Publications: **Reinforcement Learning for B2C Marketing over Social Media.** This paper discusses Epsilon greedy and Softmax policy algorithms of Reinforcement Learning to solve the Exploration Exploitation dilemma, thereby helping businesses make decisions on investments in marketing campaigns.

Awards: 'Best Buddy award' - under the New Hire Buddy Program in Mediaocean, which involves providing guidance to the fresh grads joining the company.