ATHARVA BAPAT

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SOFTWARE SKILLS

- **Tools & Skills:** Java, Python, C++, C#, HTML5, CSS, JavaScript, Object Oriented Programming, Agile Development, Data Structures, Machine Learning, Data Analysis, Computer Vision, Data Visualization, Data Monitoring, Statistics, PostMan, API integration, JIRA, POWER BI, PyTorch, MVC Framework.
- **Databases & Operating Systems:** Windows, Linux, SQL, Microsoft SQL Server 2008, MySQL, RDBMS.

CERTIFICATION

AWS Academy Data Engineering | AWS   DECEMBER 2023

WORK EXPERIENCE

Theoremlabs.io | Charlotte, North Carolina, USA   DEC 2023 – PRESENT
Role: Software Developer Intern

- Engaging with a fintech startup, utilizing Postman, VS Code, JIRA, and JAVA to drive backend development.
- Collaborating within a team, contributing significantly by constructing and testing APIs for our Saas product.
- Participating in daily stand-up calls with co-founders, I actively maintain the JIRA pipeline.
- Currently focused on enhancing database security through token creation and adding more than 20+ functionalities to our web page.

Persistent Systems |Pune, India   JAN 2022 - JUNE 2022
Role: Software Developer Intern

- Being an intern in the Cloud Computing team learned about file storage systems, utilizing Amazon S3, and acquiring hands-on experience in user authentication, file management, and version control.
- Engaged in a dynamic learning environment as my manager mentored me in the practical implementation of cloud computing concepts.
- Wrote SQL queries in AWS, focusing on query optimization strategies and contributing to the design and deployment

Riskpro Management and Consulting Pvt. Ltd |Pune, India   JAN 2021 - MARCH 2021
Role: Web Developer Intern

- Streamlined the online exam portal with .NET, C#, and MVC, slashing data retrieval times by an impressive 35%.
- Orchestrated the Financial Organization's database using Microsoft SQL Server 2008, executing advanced queries for insights on students, exams, and administrators.
- Innovated a customer-centric Chatbot for the official site, harnessing the power of Zoho's cloud-based CRM and Deluge scripting.

PROJECTS

Veg Non-Veg Food Classification   APRIL 2023

- Sponsored by UNC Charlotte this project uses images from University Dining, employing manual labeling and data augmentation techniques for robust model training.
- Employed diverse pre-trained models (Inception V3, VGG16, ResNet50, MobileNet V2) and custom CNN and CNN+BiLSTM models.
- Optimized models with Adam optimizer, 0.001 learning rate, binary cross-entropy loss, and accuracy tracking.
- Showcased project impact through a user-friendly Streamlit app for real-time food classification, offering practical menu recommendations.

Neural Human Radiance Field from a Single Video   DECEMBER 2022

- The Neural Network was trained to Capture the images as novel poses from the video input.
- Further the images were given as input to our video Generating algorithm developed in Python.
- Developed a user interface to showcase and demonstrate and used the local tunnel to host the website. As a result, we get a video output of a human performing novel poses.

E-commerce Website Development   MARCH 2021

- Spearheaded e-commerce website development using Angular, Terraform, and Java integrations, achieving a 30% performance boost, 20% faster page loads.
- Used Agile practices and set up a CI/CD pipeline, optimizing development cycles with a 50% efficiency increase.

EDUCATION

University of North Carolina Charlotte | USA
Master's Degree in Computer Science   AUG 2022 - MAY 2024
GPA: 3.88/4.00

Savitribai Phule Pune University | India
Bachelor's Degree in Computer Engineering   AUG 2018 - JUNE 2022
GPA: 3.65/4.00