



Harshwardhan Patil

Enthusiastic and quick learner with a strong foundation in software development and programming. Possesses excellent problem-solving skills, a passion for technology, and the ability to adapt quickly to new tools and environments. Eager to contribute to innovative projects and support organizational goals as a fresher in the software field.

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WORK EXPERIENCE

Intern Bharat Forge Limited

- Learned about PLC Scada.
- Learned how to deploy PLC's programs in the circuits.
- Learned how to resolve issues when the any fault or issues in an circuit/machines.
- Learned how to do maintenance in any machine.



PROJECTS

Data Visualization in Power BI

- Developed a comprehensive Zomato data analysis project using Power BI, transforming raw data into visually appealing and interactive dashboards.
- Integrated Zomato API data to extract key insights on restaurant locations, ratings, and cuisines, enhancing decision-making processes for stakeholders.
- Utilized advanced Power BI features to create dynamic map visualizations, effectively showcasing geographical distribution and performance metrics of restaurants.

Ultrasonic Glasses For Blind Persons (Selected for Representing it to NAAC Committee)

- Designed and developed ultrasonic glasses aimed at assisting visually impaired individuals in navigating their surroundings.
- Selected to present the innovative ultrasonic glasses project to the NAAC (National Assessment and Accreditation Council) Committee, showcasing its potential impact on accessibility and inclusion.
- Demonstrated leadership and innovation in leveraging technology for social good, highlighting the projects significance in enhancing the lives of visually impaired individuals.

Smart Dustbin Bases AI Audio Classifier

- Developed an AI audio classifier for a recycle bin, utilizing deep learning algorithms for accurate material classification.
- Integrated the classifier into a prototype recycle bin system, enabling automatic sorting based on audio input.
- Designed user-friendly interface for real-time feedback on item classification accuracy, enhancing overall system usability.
- Utilized Amazon S3 for data storage* and Amazon API Gateway for seamless integration with smart dustbin hardware.
- Leveraged AWS Cloud services for efficient data processing* and real-time insights, improving waste management efficiency.
- Demonstrated expertise in cloud-based solution development*, ensuring high availability, scalability, and security for Smart Dustbin application.



SKILLS

AWS

- Utilized AWS Cloud services (S3, Lambda, SageMaker) for scalable and secure solution development.
- Developed and deployed cloud-based applications using AWS.
- Improved efficiency and scalability with AWS Cloud solutions.

Architecture in AWS

- Designed scalable and secure cloud architectures on AWS, leveraging services like EC2, S3.
- Built robust and efficient systems with high availability and security.

EC2

- Utilized Amazon EC2 for scalable and secure infrastructure deployment.
- Managed EC2 instances for high-performance computing and optimized resource utilization.

VPC

- Designed and implemented secure VPC architectures on AWS for scalable applications.
- Configured VPC subnets, security groups, and network ACLs for secure network segmentation.

S3

- Utilized Amazon Simple Storage Service (S3) for scalable and secure object storage.
- Managed S3 buckets for data storage, backup, and analytics.

Snapshot

- Created and managed Amazon EBS snapshots for data backup and disaster recovery.
- Utilized snapshots for efficient data protection and point-in-time recovery.

Linux Basic

- Utilized Linux operating systems on AWS EC2 instances for scalable application deployment.
- Managed Linux servers for secure and efficient cloud infrastructure.

EBS

- Utilized Amazon Elastic Block Store (EBS) for persistent block-level storage.
- Managed EBS volumes for EC2 instances, ensuring data durability and performance.

AMI & MFA

- AMI: Created and managed Amazon Machine Images (AMIs) for EC2 deployments.
- MFA: Enabled Multi-Factor Authentication (MFA) for enhanced AWS security.

Cloud Front

- Utilized Amazon CloudFront for fast and secure content delivery.
- Distributed content globally with CloudFront, improving application performance.

Elastic IP

- Utilized Elastic IP addresses for static IP management in AWS.
- Managed Elastic IPs for EC2 instances, ensuring consistent networking.

IAM

- Managed AWS Identity and Access Management (IAM) for secure user authentication.
- Implemented IAM roles, policies, and users for access control.

Amazon Route S3

- Managed Amazon Route 53 for DNS routing and domain management.
- Utilized Amazon S3 for scalable object storage and data management.



Additional skills

MY SQL

Power BI



EDUCATION

Diploma in Electronics & Telecommunication Engineering
Sou Venutai Chavan Polytechnic, Pune
Percentage: 85.12%
Year of Passing: Aug 2021

BE in Electronics & Telecommunication Engineering
Sinhgad Institute of Technology & Science
SGPA: 6.55
Year of Passing: June 2024



CERTIFICATION

Certificate of Participation in Mini Militia event during Technofest at Government Polytechnic Pune (2k18).

Certificate of Participation in Workshop on Automation Using Arduino and IOT at Trinity Academy of Engineering (2k20).

Certificate of Appreciation for securing the position of Winner in Microproject Competition on the occasion of Technic Sinhgad Karandak at Sou Venutai Chavan Polytechnic Pune (2k20).

Certificate in Architecture in AWS Course from Edubridge.



PERSONAL DETAILS

Name : Harshwardhan Patil

Sex : Male

Nationality : Indian

Marital Status : Single

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LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

Marathi

Full Professional Proficiency