

Bharanidharan S

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EDUCATION

ANNA UNIVERSITY

BE IN ELECTRONICS AND

COMMUNICATION

2017 - 2021 | Tamil Nadu, India

CGPA: 8.63 / 10.0

CERTIFICATIONS

AWS Solution Architect - Associate

AWS Foundational - CCP

Embedded C - FICE

SKILLS

PROGRAMMING

Python • C • C++ • SQL

COMPETENCIES

Amazon Redshift

EC2,VPC

IAM, S3

Quicksight

Amazon Neptune

Load balancing

AWS Auto Scaling

Sensor Implementation

OS AND SOFTWARE TOOLS

Raspbian, Ubuntu Linux

JIRA, AWS CLI

Cisco IOS IOS-XR

HARDWARE PLATFORMS

Single Board Computer(Raspberry Pi)

I/O Shields Microcontrollers

Espressif ESP8266

ACCOMPLISHMENTS

Achieved 2nd place in the project expo at the 7th ISTE State Level Student Annual Convention.

Participated in extensive training sessions on Machine Learning, IoT, and Python, expanding knowledge and skills in these critical areas.

Conducted training sessions on Embedded Systems and AWS Basic for undergraduate students at various institutions.

LINKS

Gitbook:// bharani

Blog:// Techatro

LinkedIn:// Bharanidharan S

TUTELAGE:// @AWS

Projects:// Bharani-Projects

EXPERIENCE

AMAZON AWS | CLOUD ENGINEER

AUG 2022 - Present | Bangalore, India

- Troubleshooted and resolved customer issues related to RedShift clusters and data warehousing.
- Monitored and maintained the health and performance of RedShift clusters.
- Assisted customers with the design and implementation of RedShift architectures.
- Collaborated with customers to optimize their use of RedShift and other AWS analytics services.
- Identified and troubleshooted issues with ETL pipelines and data ingestion into RedShift.
- Assisted with the migration of on-premises data warehouses to RedShift.
- Conducted deep-dive analyses of RedShift performance and provide recommendations for optimization.
- Developed custom scripts and tools to automate RedShift maintenance and management tasks.
- Collaborated with cross-functional teams to resolve complex customer issues.

TATA CONSULTANCY SERVICES | SYSTEM ADMINISTRATOR(LINUX)

June 2021 - AUG 2022 | Chennai, India

- Managed Linux systems, including installation, configuration, and maintenance.
- Monitored system performance and capacity, and performed necessary upgrades and optimization.
- Created and maintained shell scripts for automating system administration tasks.
- Implemented and enforced security policies to protect systems from external threats.

IIIT DM KANCHEEPURAM | INTERN

DEC 2019 - AUG 2020 | Chennai, India

- Contributed to the development of digital circuits and systems through research and experimentation, applying principles of logic design, computer architecture, and electronics.
- Acquired hands-on experience with tools such as Cadence 6.1, Verilog HDL, and Keil Programming, applying them to design and simulate digital circuits.

PROJECTS

HOME DOCTOR - MONITORING PROTOTYPE

- Developed a Machine Learning and Neural Network-based system to monitor and improve the health and safety of individuals by providing real-time updates, symptom screening, potential case detection, and location sharing with nearby hospitals in emergency situations.

OTTO - VOICE RECOGNITION ROBOT

- Created a Voice Recognition Robot using Arduino Nano, programmed with mobility, dance, audio playback, and obstacle detection capabilities to enhance functionality and safety.

VIRTUAL IMAGE CONVERTER - PLATFORM TOOL

- Developed an image converter platform using Python that converts 2D images to 3D with a mesh surface and VRML 2.0 (or X3D) export feature for 3D color printing.