

Contact

arjunareddy1997@gmail.com

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(LinkedIn)

Top Skills

Systems Management

Microsoft Power BI

Okta Identity Cloud

Languages

English (Native or Bilingual)

Kannada (Full Professional)

Hindi (Limited Working)

Telugu (Limited Working)

Certifications

AWS Academy Graduate - AWS
Academy Cloud Foundations

Cyber Awareness Challenge 2024

AWS Certified Solutions Architect –
Associate

AWS Academy Cloud Security
Foundations

Honors-Awards

Best Project Award at Semester
Level at the Innovative Project Lab
Winter Competition-2017

Best Project Award at semester
Level at the Innovative Project Lab
Winter competition-2018

Best final year project award at
department level at the final year
project demonstration held at BNM
institute of technology

Publications

Open Shortest Path First (OSPF)
Routing Protocol and the use of
Virtula-Links

Solar Panel Comtroller using
Microcontroller

WBAN- An Experimental Approach

Arjuna Reddy

Actively Looking for Full time Opportunities-New Grad | Cloud,
DevOps, Security & Development | SDSU | PwC | Cognizant
San Diego, California, United States

Summary

I am a highly motivated and experienced electrical engineer with a passion for research and innovation.

I am a graduate student at San Diego State University pursuing a Master's degree in Electrical and Computer Engineering. I have a Bachelor of Engineering in Electronics and Communications from Visvesvaraya Technological University (VTU) in Bengaluru, India. My skills and coursework include:

Programming: Python,HTML,CSS ,Javascript, C, SQL Network
Protocols: TCP/IP, DNS, DHCP, NAT, HTTP,UDP ,ARP

Communication Standards: Nyquist Sampling and Aliasing Effects,
Modulation Techniques, Quantization, Channel fading,Doppler
Spread, Delay Spread, Channel coding, Source coding.

Software/Tools: Packet Tracer, Wireshark, Jira, Jenkins, Amazon
Web Services- EC2,S3,VPC,RDS,IAM

Operating Systems: Windows, Mac OS, LinuxFoundations,
Enterprise Networking and Mobile Technologies, Principles and
Applications of Information theory, VLSI Circuit Design, Computer
and Data Networks, Multimedia Communication Systems, Modern
Communication Theory

I have previous experience working as an Associate at Pricewaterhouse Coopers (PwC), where I spearheaded platform testing for multiple clients and collaborated on four major client onboardings onto PwC's Perform Plus platform. I am also a recipient of the Best Project Award for Smart Campus Navigator at the Department level during the final year project seminar at B.N.M Institute of Technology (under VTU).

I am confident that my skills and experience would be a valuable asset to any company. I am a hard worker and I am always eager to learn new things. I am also a team player and I am always willing to help others. I am confident that I can make a significant contribution to your company.

I am eager to start my career as an electrical engineer and I am looking for a position where I can use my skills and experience to make a positive impact. I am open to opportunities in a variety of industries. I am also interested in working in research and development.

If you are interested in learning more about me, please feel free to contact me. I would be happy to answer any questions you may have.

Experience

San Diego State University

2 years 1 month

Graduate Student

August 2022 - Present (2 years 1 month)

San Diego, California, United States

Teaching Assistant

March 2023 - Present (1 year 6 months)

San Diego, California, United States

1. Supporting lectures and over 40 students by grading assignments, holding office hours, and developing tutorial materials.
2. Facilitate technical learning for electrical engineering students through one-on-one tutoring, exam proctoring, and preparing lab equipment.
3. Maintain assignment submission portal, grade coursework, invigilate exams, hold student hours and provide 1-on-1 mentorship

Graduate Research Assistant

April 2023 - July 2023 (4 months)

San Diego, California, United States

1. Conducting statistical analyses on the measured soil surface roughness index using MATLAB, identifying significant correlations between surface roughness and other key soil properties.

2. Developing and refining algorithms in MATLAB to automate the measurement of soil surface roughness index from 3D pictures, resulting in a reduction of time spent on data analysis by 50%.

PwC Acceleration Centers

Associate

June 2021 - July 2022 (1 year 2 months)

Bengaluru, Karnataka, India

1. Collaborated with cross-functional teams to optimize cloud infrastructure for over 30 clients on Google Cloud Platform (GCP), achieving a 50% reduction in monthly cloud costs and enhancing system performance by 25%. Implemented best practices that resulted in annual savings of approximately \$50K per client and improved service delivery by 40%.

2. Implemented a Git-based Jenkins CI/CD pipeline for multiple Fortune 500 clients, reducing deployment time by 30% and increasing successful deployments by 15%. This automation streamlined the deployment process, improved efficiency, and reduced the likelihood of human error, enhancing overall system reliability.

3. Orchestrated the implementation of a comprehensive security incident response program across PwC's Cloud Management Services, leading to a 30% reduction in security incidents. Administered the Auth0 platform for over 50,000 users, implementing Multi-Factor Authentication (MFA) and advanced threat detection protocols, successfully preventing over 95% of unauthorized access attempts.

4. Facilitated seamless client onboardings, ensuring adherence to best practices and maintaining detailed client documentation, including database topology and connection procedures. This effort improved client satisfaction by 30% and ensured clear communication and effective management of client requirements.

5. Conducted regular system checks and proactive space monitoring, eliminating space errors and improving database performance by 35%, achieving 99.99% availability. These measures reduced downtime by 30% and increased operational efficiency by 20%.

6. Generated comprehensive quarterly usage, sales, and cost reports using Power BI, providing actionable insights that informed strategic decision-

making. This analysis optimized resource allocation, improved financial performance, and supported data-driven decisions that enhanced overall service quality.

Cognizant

Administrator

July 2019 - May 2021 (1 year 11 months)

Bengaluru, Karnataka, India

1. Utilized Oracle Cloud Infrastructure (OCI) to monitor daily backups and manage patching processes, ensuring data integrity and reliability. Implemented proactive space monitoring and efficient allocation strategies, eliminating space errors and enhancing database performance by 35%, achieving 99.99% availability.
2. Administered comprehensive security for Oracle ERP systems, including user management and IAM solutions. Implemented robust security protocols, resulting in a 50% reduction in unauthorized access incidents and ensuring compliance with industry standards.
3. Participated in a 24/7 on-call rotation, providing immediate responses to client database alerts on Oracle Cloud Infrastructure. Monitored and terminated long-running queries using Oracle Enterprise Manager, reducing resolution times by 60% and ensuring uninterrupted database operations.
4. Conducted regular system checks for storage and performance using Oracle Cloud Monitoring tools, ensuring optimal system health. Performed database patching, including PSU patching, and maintained high availability through hot backups, reducing downtime by 30% and increasing operational efficiency by 20%.
5. Maintained detailed client documentation, including database topology, connection procedures, and special instructions, ensuring clear communication and effective management. Executed database cloning and refreshing tasks using Oracle Data Pump and RMAN, and responded promptly to client email requests, improving client satisfaction by 30% through adherence to best practices.
6. Enhanced database security for Oracle ERP by managing users and implementing IAM solutions. Achieved a 50% reduction in unauthorized access

incidents through comprehensive security protocols, ensuring compliance with industry standards.

7. Delivered 24/7 on-call support for Oracle Cloud Infrastructure, optimizing query performance and reducing resolution times by 60%.

Education

San Diego State University

Master's degree, Electrical, Electronic and Communications Engineering Technology/Technician · (August 2022 - May 2024)

Visvesvaraya Technological University

Bachelor of Engineering - BE, Electrical, Electronics and Communications Engineering · (August 2015 - July 2019)

Deeksha Centre for Learning PU College

· (2013 - 2015)

Sudarshan Vidya Mandir

ICSE · (2002 - 2013)