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## Summary

I'm an adaptable developer who embraces coding challenges with a positive spirit, finding joy in every project. 2022 BITS Pilani graduate seeking Full Stack Developer opportunities.

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## EDUCATION

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### • Birla Institute of Technology and Science, Hyderabad Campus

*July. 2018 – June 2022**Bachelor of Engineering in Electrical and Electronics**CGPA: 7.78*

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## Technical Skills

• **Languages:** C#, Java, C++, Python, SQL

• **Technologies:** .NET Core, Spring Boot, Angular, Node.js, React.js, Docker, Kubernetes

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## Experience

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### • Full Stack Developer at Siemens Healthineers

*Bangalore, Karnataka**Software development, including bug fixes and new functionality.**July 2022 - Present*

- Gained expertise in software design and design patterns, with a focus on web application development using C#/.NET. Proficient in seamlessly integrating AI algorithms and crafting user-friendly interfaces with Angular.
- Proficient in using the NUnit framework for backend testing, Jasmine/Karma for validating Angular components, and following Test-Driven Development (TDD) practices. Achieved a remarkable improvement in Code Coverage, increasing it to 93.6% after introducing additional Modality in the codebase
- Adept at managing software deployments and maintaining automated CI/CD pipelines using Azure. Proficient in troubleshooting using CosmosDB and proficient in writing complex queries.

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### • Software Intern at OfBusiness, Gurgaon

*Gurugram, Haryana**Serviced data to company's primary application, "Bid-Assist"**July 2021 - December 2021*

- Designed and constructed highly scalable REST-APIs with a strong emphasis on producing reusable, modular code. These APIs were instrumental in efficiently crawling domains with tenders, corrigendum, and bid awards.
- Leveraged technologies such as Java 8, Spring Boot, Redis, AWS-S3, and Git to manage and service data effectively.
- Demonstrated expertise in Data Structures, Object Oriented programming, Design Patterns, Agile Practices, HTTP Protocols, and thorough Manual/Unit Testing.

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## Projects

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### • Load Forecasting using LSTM technique for Residential areas

*BITS Hyderabad**Load prediction model for residential sector using real-time data**Jul 2021 – Dec 2021*

- Used Long Short Term Memory technique to predict the average global power being utilized in residential sectors post lockdown alongside **Prof Sudha Radhika** to aid in Power Sector research.
- Significantly improved prediction accuracy (correlation coefficient) by almost doubling it, increasing from 46 percent to 87 percent compared to the previously used ARIMA Model. Utilized various Python3 libraries, including Numpy, Pandas, Matplotlib, and Seaborn, to enhance data visualization.
- Published research Paper in **Elsevier Journal** on the development of a Residential Sector Load Prediction model during the COVID-19 Pandemic using LSTM-based RNN.

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## Awards

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### • Cisco Thingbator Challenge Finalist

*BITS Hyderabad**Finalists Top 30 in 1000 Cohort**April - December 2021*

- Collaborated with a team of four in the Cisco ThingQBator program. Spearheaded the ideation of a Lower Limb Exoskeleton designed to assist amputees.
- Advanced to the finals of the competition with the innovative concept.