

# Deepthi Dayanand

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## EDUCATION

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### PES University

*BTech in Computer Science and Engineering*

**Bangalore, India**

2020 - 2024

- Recipient of the MRD scholarship for being in the top 20% of the batch.
- Teaching Assistant for 'Object Oriented Analysis and Design using Java' course.

## EXPERIENCE

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### Schneider Electric, DevOps Intern

*January 2024 - Present*

- Designed and implemented a secure and efficient data ingestion pipeline, ensuring seamless integration with various applications and services.
- Research and development of cloud architecture to convert monolithics to microservices.
- Skills: AWS, Cloud computing, Devops, Jenkins, Scripting, Github Actions, Automation, CI/CD pipelining

### Lensta Technologies, Software Engineering Intern

*June 2023 – July 2023*

- Revamped database schema design, improving query response time by 40% and reducing server costs.
- Utilized JavaScript frameworks to enhance frontend functionality, resulting in an increase in user engagement.
- Skills: JavaScript, ReactJS, NestJS, KoaJS, Typescript, Postman, MySQL, PostgreSQL

### Center for Innovation and Entrepreneurship, Project intern

*June 2022 – December 2022*

- Worked on creating an app to gamify the learning process for coursework. Collaborated with the design team to brainstorm and execute UI/UX improvements. Worked on frontend development.
- Skills: HTML, CSS, Figma, Jira

### Center for Data Science and Machine Learning, Research Intern

*June 2022 - July 2022*

- Developed and optimized Machine Learning models to approximate complex mathematical functions.  
Skills: Python, TensorFlow, PyTorch and Jupyter Notebook.

## PROJECT EXPERIENCE

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### 1. Capstone project - Secure cloud based enterprise management system for legal firms

Development of a cloud native application for legal enterprise systems using AWS QLDB

TechStack: Java, React, Springboot, Maven, PostgreSQL, Docker, AWS Cloud services

### 2. Data Visualization using Neo4J Database

Worked on a project to build a data pipeline to move network traces from a dataset to a Neo4J datastore.

## PUBLICATIONS

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1. "Literature Review of Approaches in Cloud-based Management systems for Legal Firms" published in Scopus indexed Springer Book Series DOI: <https://doi.org/10.56155/978-81-955020-2-8-54>
2. Secure cloud based enterprise management system for Legal Firms, CoCoNET' 23
3. Dayanand, Deepthi, et al. "Neural Networks for Human-Machine Interface" *Human-Machine Interface Technology Advancements and Applications*, Edited By Ravichander Janapati, Usha Desai, Shirrang Ambaji Kulkarni, Shubham Tayal.

## ACHIEVEMENTS

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1. **CDSAML, PESU - Hackathon Winner**  
Won the summer hackathon for Neural Network based function approximators.
2. **Google Development Student Clubs - Hackathon Winner**  
Won best design for an App Development hackathon, Override '21, conducted by GDSC.