

Contact

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www.linkedin.com/in/saadhana-ganesh-45a50a18b (LinkedIn)
saadhanag13.github.io/MyResume/ (Portfolio)

Top Skills

Dimensionality Reduction
Principal Component Analysis
Principal Component Regression

Languages

Hindi (Limited Working)
English (Professional Working)
Telugu (Native or Bilingual)
Tamil (Native or Bilingual)

Certifications

Data Analytics Essentials
Certificate of Participation in Level 1: E-Commerce
The Complete Cyber Security Course : Hackers Exposed!
Certificate of Participation in Level 1: E-Commerce
PwC Switzerland - Power BI Job Simulation

Publications

Dynamics of stable solitons in Complex Ginzburg-Landau equation with PT -symmetric Gaussian potential

Saadhana Ganesh

MSc Data science and analytics | Data Analyst | Data science enthusiast | Python | R | Full-stack web developer
Leeds, England, United Kingdom

Summary

Tech enthusiast, problem solver, and lifelong learner! With a Master's in Data Science and Analytics from the University of Leeds and a Bachelor's in Computer Science and Engineering, I thrive at the intersection of software development and data-driven innovation.

My expertise spans full-stack development, data science, and cloud technologies, with hands-on experience in Python, JavaScript, R, SQL, and modern frameworks like React.js and Node.js. I enjoy building scalable applications, optimizing data pipelines, and applying AI/ML techniques to real-world problems. Proficient in Agile workflows, and project management tools like JIRA, I excel in dynamic, fast-paced environments.

While actively exploring new opportunities, I'm also working on freelance projects and certifications to sharpen my skills in cloud computing, AI, and data engineering. Continuous learning drives me, and I'm always seeking ways to innovate, automate, and improve.

Outside of tech, I'm a podcast junkie and music enthusiast, always curious about new ideas and perspectives. If you're looking to collaborate on exciting projects or just geek out over data, AI, or software development, let's connect!

Experience

GAOTek Inc.
Software Development Intern
February 2023 - April 2023 (3 months)
United States

Chennai Institute of Technology
Research Intern
March 2022 - January 2023 (11 months)

Kundrathur

- Explored sound soliton propagation in the Complex Ginzburg-Landau (CGL) equation featuring self-focusing nonlinear modes and PT-symmetric Gaussian potential.
- Our investigation focused solely on the dynamics of stable solitons. Key findings from our model indicate that positive diffraction, Kerr nonlinearity, and nonlinear gain/loss parameters, along with detrimental spectral filtering values, are essential for achieving stable soliton solutions.
- Furthermore, adjusting the strength of the imaginary component of the complex PT-Symmetric potential allows for modulation of soliton sound propagation, intensity, and power conservation.

GDSC CIT Chennai

Development Team

October 2021 - July 2022 (10 months)

India

DigitranIT

Software Technical Consultant Intern

September 2021 - December 2021 (4 months)

Chennai, Tamil Nadu, India

- Led the development of Classic Neet Academy, an innovative e-learning platform during internship tenure. Collaborated on creating advanced features including chatbots to enhance user experience and streamline access to resources.
- Key responsibilities included overseeing the implementation of e-books for medical examinations, facilitating weekly practice tests, and integrating online textbooks for concept learning. Additionally, ensured provision of free access to medical exam part-books.
- Tailored the platform to cater to high school and college students, offering flexibility with recorded lectures accessible anytime, anywhere. Introduced a dedicated "Concept Section" for school children to reinforce understanding and prepare for tests

Education

University of Leeds

Master's degree, Data science and analytics · (September 2023 - September 2024)

Chennai Institute of Technology

Bachelor of Engineering - BE, Computer Science and Engineering · (August
2019 - April 2023)