

S D KEERTHIGA DEVI

Software Developer

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EXPERIENCE

React Developer

Aug '25 — Present

The Entrepreneurship Network

India (Remote)

- Developed responsive, user-friendly web projects using **React.js**, styled with CSS and **Tailwind CSS** for clean, modern layouts.

Full Stack Developer

Aug '25 — Present

Codec Technologies

India (Remote)

- Building dynamic web applications using **JavaScript**, **React.js**, **Node.js**, **Express.js**, and **MongoDB**, with a focus on frontend-backend integration and **RESTful APIs**.

Independent Researcher

Feb '25 — Jul '25

KCCITM

Greater Noida, India

- Researched solutions for the **Multi-Objective Travelling Salesman Problem** using a **Hybrid DRL-MOA framework**. Developed a **CNN-Transformer** model with multi-decoder networks and curriculum learning.
- Published findings on SSRN: <http://ssrn.com/abstract=5343852>

SKILLS

Web Development HTML5, CSS3, React.js, Tailwind CSS, Node.js, Express.js, MongoDB, RESTful API

Programming Languages Python, C++, JavaScript, SQL, Java

Machine Learning & AI Supervised & Unsupervised Learning, Recommendation Systems, Natural Language Processing (NLP), Computer Vision, Feature Engineering, Scikit-learn, TensorFlow, PyTorch, Hugging Face Transformers

Data Handling & Processing Data Cleaning & Preprocessing, ETL Pipelines, Web Scraping, API Integration, NumPy, Pandas, Matplotlib, Seaborn, Statsmodels

PROJECTS

AI-Powered Blog Generator [Link](#)

- Built and deployed a **MERN stack** blog platform with **Google Gemini API** for AI-generated content, ImageKit for image optimization, and a secure **React.js** admin panel for post management.

Jobdex – AI-Powered Career & Hiring Platform [Link](#)

- Developed a secure AI platform with **Gemini API** for recruitment analysis, integrating **ResNet-18 deepfake detection** with **React.js** and **Flask**.

DRL-MOA for Multi-Objective Traveling Salesman Problem [Link](#)

- Developed a DRL-based MOTSP solution using **Pointer Network (CNN encoder, GRU decoder)** with **Actor-Critic framework**, hyperparameter tuning via Optuna, and deployed a demo on Streamlit.

EDUCATION

B Tech Computer Science & Engineering (AI/ML), KCCITM (GPA: 8.3)

2022 — Present

Greater Noida, India

- Relevant Courses:** Artificial Intelligence, Machine Learning, Data Structures, Algorithms, Computer Networks, Software Engineering

ACHIEVEMENTS

Finalist – SRM BUILDS 6.0

Recognized in the "Best of All Girls Team" category for developing Skill Vision, an AI-driven career guidance platform in a 36-hour hackathon.

GSSoC Contributor – GirlScript Summer of Code 2025

Contributed to open-source projects by fixing bugs, adding features, and improving documentation across multiple repositories.

EXTRACURRICULAR

Vice Chairman for ACM Student Chapter

- Led and coordinated **technical events**, workshops, and hackathons, managing operations, **event planning**, and **community engagement** while contributing to curriculum development and knowledge-sharing initiatives.