

# DEEPASRI S

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## OBJECTIVE :

Aspiring Tech Professional with a strong foundation in Python and a passion for IoT. I have achieved academic excellence with a First Class with Distinction in my Undergraduate studies. Experienced Python Full Stack Developer skilled in HTML, CSS, JavaScript, Flask Web Framework and MongoDB, eager to contribute to Innovative Projects.

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## EDUCATION :

B. sc. Computer Science | 2022 – 2025 | 81% (till 5th Semester) |

N.K.R. Government Arts College for Women , Namakkal (affiliated with Periyar University)

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## SKILLS :

### PROFESSIONAL SKILLS:

- Proficient in writing mistake-free programs for software development
- Strong in professional Communication and Excellent time management skills
- Analytical and Ethical thinking for Problem solving in Team work

### TECHNICAL SKILLS:

Software Engineering , DevOps Basics, Mobile Application Development in Android Studio, Web Development , Postman API Fundamentals , MongoDB , NoSQL , SQL , Django and Flask Web Framework , API Development , AI/ML/DS , MS Office 365 , Visual Studio Code, DSA , SDLC , Cloud Computing Basics , Git and GitHub , Testing and Debugging

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## VOLUNTEERING EXPERIENCE :

Internship - Indian Info Tech

Completed an enriching Internship at Indian Info Tech, gaining foundational IoT knowledge over six sessions. Explored the evolution of the internet (1G to 5G), OSI model, network processes, and various IoT applications. Gained practical experience with Microprocessors and Microcontrollers (ATMEL, PIC, ARM, Arduino ESP-8266). Participated in hands-on sessions and a practical project, cementing my understanding and skills in IoT.

Team Lead – EduNet Foundation

Led a team in an AI-driven predictive maintenance case study for solar power systems, leveraging IoT-enabled sensors to automate monitoring and reduce manual interventions. Utilized machine learning models to analyze performance and optimize efficiency. Implemented data-driven sustainability strategies through Skills4Future training, applying AI for Green Skills to enhance energy conservation and eco-friendly innovations.

Project Head – Academic Mini Project

As the Project Head, I guided the creation of RESTful APIs to improve app functionality and enable smooth data sharing. I also led the integration of MongoDB with Python to build safe and scalable database solutions. By improving backend systems, I boosted performance and helped create better, more interactive user experiences.

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## PROJECTS :

PERSONAL PORTFOLIO - Personal Project | Deployed as GitHub Pages |

Developed a personal portfolio from scratch after completing the “Master Course in Full Stack Development” from Great Learning, Used HTML, CSS and JS to create a responsive and attractive web application. Deployed it on GitHub Pages to showcase my skills, projects, and certifications while gaining real-world development experience.

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## STUDENT GRADEFOLIO - Academic Project | Under Development |

Developing a "Student Result Management System" using Python for visualizing Student Results as an academic project to gain experience in full stack development. Utilized Google Cloud Visualization for Data Visualization , Flask webserver for backend, Jinja2 for templating, and MongoDB for Database management.

Additionally, To integrate the Mentor touch in this Gradenfolio for Student skill enhancements, I built an AI chatbot capable of handling natural language interactions, leveraging Huggingface Transformers pipeline models to incorporate advanced machine learning and NLP functionalities.

Currently, I am in the fine-tuning phase, focusing on refining the chatbot's conversational accuracy, contextual understanding, and user experience. To ensure thorough evaluation and optimization, I used Keras datasets in Google Colab for testing, enabling robust analysis of the AI model's performance and scalability in diverse scenarios.

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## CODING & PROBLEM-SOLVING ACHIEVEMENTS

- [GeeksForGeeks](#): Ranked #1 in Periyar University among 300+ students with 1000+ coding score (since June 2024).
- [LeetCode](#): 300+ day streak, solving Problem of the Day in Python (2025).
- [CodeChef](#): Practicing Python challenges with 200+ active days (since Oct 2024).
- [CodingNinjas](#): 150+ day streak, MCQs in Python & problems in Web Technologies.

## CERTIFICATIONS & TECHNICAL EXPERTISE

- Web Development Fundamentals – IBM
- Master Course in Full Stack Development – Great Learning
- Python Certifications – GUVI, CodeChef, Smart Internz, HackerRank
- Fundamentals of Coding and Cloud – Naan Mudhalvan
- Postman API Fundamentals Student Expert – Postman Academy
- Working in a Digital World: Professional Skills – IBM SkillsBuild
- Software Engineering – Infosys Springboard
- MongoDB Developer's Toolkit – GeeksForGeeks
- Software Engineering Intern – HackerRank
- TCS ION Career Edge Young Professional - TCS

## ONLINE PROFILES

- **LinkedIn**: <https://linkedin.com/in/deepasriselladurai>
- **GitHub**: <https://github.com/DeepasriSelladurai>
- **Portfolio**: <https://deepasriselladurai.github.io>