Siva S K

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Internship Experience

Insightoh   **Dec 2023 – Jan 2025**
Freelance Backend Django Developer(Remote)   *Chennai, TamilNadu*
- Built and maintained a complex Django backend for a Flutter application, ensuring seamless frontend integration.
- Integrated Firebase for static file storage and Twilio for secure mobile authentication.
- Delivered projects on time using Agile methodologies and collaborated with cross-functional teams to achieve goals.

Research and Development, SRM University AP   **Jul 2023 – Sep 2023**
Research Intern   *Amaravati, AndraPradesh*
- Explored Different Interpolation methods and Deep-Learning based methods like NNI and ESRGANS
- Worked on EDSR and ESPCN model by Integrating additional layers for improved high-resolution.
- Applied these models for upscaling of medical images to study in more detail way

Projects

NavGoa Application | *Python, Django, DRF, AI, SQL*   **Github**
- Build a custom Algorithm by combining **A* Algorithm** and Dijkstra Algorithm.
- **Optimized** the AI-Powered custom algorithm by cutting down the unnecessary recursive calls.
- Recognized by faculty as **"Best Innovative Project"** out of 10+ teams in the class
- **Increased efficiency** of the search using custom algorithm, which can handle large data.

Eccomerce Application | *Node JS, Express JS, MongoDB*   **Github**
- Created a **seamless API backend** using NodeJS and Express JS and MongoDB.
- Added **functionalities** like products, users with Cart feature and Tested the api's in the **Postman**.

Online Clothing Application | *React JS, Redux, Firebase, RazorPay*   **Github**
- Used a seamless frontend framework and deployed it for the live experience.
- Used ReactJS, Redux, Firebase, CSS and custom CSS online template to build this application

CareerSearch Application | *Django, DRF, Firebase, REST API, Twilio*   **Github**
- Used a seamless backend framework Django and created API using DRF
- Storing static images in **firebase** and implemented complex business logic
- Created **secure REST APIs and tested with POSTMAN** to interact with frontend.

Technical Skills

Languages: Python, Java, C/C++, JavaScript, HTML, CSS
Database: SQL, MongoDB
Tools / Version control: VS Code, Eclipse, Git, GitHub, Unix
Technologies/Frameworks: Express JS, Node JS, React JS, Django, Django Rest Framework

Leadership / Extracurricular

NextTechLab   **May 2022 – Nov 2023**
Member   *SRM AP*
- Achived **Top 1** Coder 2024 in **Inter-collegiate Coding Competition** of SRM AP Campus and **2000+ problems** on **Codolio(Click)**
- Reached **Top 1** Coder in SRM AP's **CodeChef** Leaderboard with the highest Global Rank 94 with the Highest Rating 1654* in 2022
- Ranking **Top 1** Problem Solver of SRM AP in **GeeksForGeeks**
- **Ideation Winner** at **Smart India Hackathon**, 2023
- Received Appreciation Letter as **Research Assistant** in the Computer Networks domain for working for 1 year on the "**Routing Techniques**" topic and implemented and tested the various protocols in 2022
- **Runner up** at **Inter-collegiate 9Hacks Hackathon** conducted by **NextTechLab** of SRMAP in 2022

Education

SRM University AP   **Aug 2021 – May 2025**
BTech in Computer Science with specialization of AI&ML   *7.99 GPA*