

# Keerthi Madugula

 Github |  LinkedIn |  Portfolio |  [keerthi\\_madugula@srmap.edu.in](mailto:keerthi_madugula@srmap.edu.in) |  +918309176670

## WORK EXPERIENCE

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### Summer Research Intern, *SRM University AP*

May 2024

- Applied machine learning techniques to semiconductor material science, device modeling, and manufacturing processes.
- Focused on data-driven innovation to improve research efficiency and develop practical solutions in semiconductor development.

## PROJECTS

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### Blockchain based Crowdfunding Platform - *Ethereum, Solidity, MetaMask, React*

[Link to Demo](#)

- 🔗 Designed and deployed a decentralized Web3 application for transparent crowdfunding with real-time campaign tracking and smart contract automation.
- 🔗 Developed Solidity-based smart contracts to securely manage campaign rules, donor contributions, and MetaMask wallet transactions.

### Online Job Portal - *React Js, Tailwand CSS, Firebase*

[Link to Demo](#)

- 🔗 Developed a job portal interface featuring real-time job listings, CRUD functionality, advanced search filters, and dynamic data rendering using Firebase Firestore.
- 🔗 Designed and implemented a responsive UI using React.js and Tailwind CSS, enhancing user experience with clean layouts, interactive components.

### Virtual Assistant - *Python*

[Link to Demo](#)

- 🔗 Developed a Python-based voice assistant that automates tasks through voice commands, integrating basic natural language processing (NLP).
- 🔗 Integrated speech-to-text and text-to-speech APIs for real-time voice interactions and system control through natural language.

## CERTIFICATIONS

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### MongoDB Associate Developer - *Apr 2025*

[Credly Verification](#)

-Proficient in CRUD operations, data modeling, indexing, aggregation pipelines, and performance tuning.

### The Joy Of Computing Using Python - *Oct 2023*

[NPTEL Certificate](#)

-Completed Python course through NPTEL, offered by IIT Madras mastering fundamental programming concepts with practical proficiency in application development, data analysis, and automation

## EDUCATION

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2022 - 2026	Bachelor's Degree at <b>SRM University-AP</b>	(GPA: 7.86/10.00)
2020 - 2022	Class 12th at <b>Narayana Junior College</b>	(Percentage: 84.80/100.00)
2019 - 2020	Class 10th at <b>Narayana E-Techno School</b>	(GPA: 99.00/100.00)

## SKILLS

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<b>Technical Skills</b>	C, C++, Python, DSA
<b>Front-end</b>	HTML, CSS, JavaScript, React Js
<b>Back-end</b>	Node Js, PHP
<b>Databases</b>	MySQL, MongoDB
<b>Tools &amp; Technologies</b>	Git, GitHub, Firebase, Figma
<b>Non-Technical Skills</b>	Leadership, Communication, Collaboration, Problem-Solving, Time Management