

Neha Raju Medar

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Education

Dr. D.Y. Patil College of Engineering and Innovation (SPPU)	2022-2025
<i>Bachelor of Engineering in Artificial Intelligence and Data Science (Currently Pursuing)</i>	<i>Pune, Maharashtra</i>
Government Polytechnic Malvan (MSBTE)	2017-2021
<i>Diploma in Computer Engineering (Percentage: 83.83)</i>	<i>Malvan, Maharashtra</i>
Vivek English Medium School (SSC)	2017
<i>X (Percentage: 85.80)</i>	<i>Chandgad, Maharashtra</i>

Experience

Elite Softwares	Jan 2024- Feb 2024
<i>Web Development Intern</i>	<i>Pune, Maharashtra</i>
<ul style="list-style-type: none">Developed and maintained scalable web applications using Python-Django, optimizing backend performance and database interactions.Designed and implemented responsive user interfaces with HTML, CSS, and JavaScript, enhancing user experience and interactivity.Built RESTful APIs to enable seamless frontend-backend communication, reducing API integration time by 20%.	

Professional Trainings

TNS INDIA FOUNDATION	Duration: 2 Months
<i>Java Training</i>	
<ul style="list-style-type: none">Learned core Java programming fundamentals including object-oriented programming, data structures, and exception handling.Gained hands-on experience with real-world projects to build efficient and scalable applications.	

Projects

Jarvie: AI-Driven Mental Health Companion <i>React.js, Python-Django, PostgreSQL</i>
<ul style="list-style-type: none">Developed a full-stack React.js/Django web app with RESTful APIs for user authentication, Gemini AI integration, and chat management, enhancing scalability and user engagement.Engineered a context-aware AI chat system using Gemini API for mental health support, optimizing backend performance and security via JWT authentication and database tuning.
Tours and Travels Website <i>React.js, Python-Django, PostgreSQL</i>
<ul style="list-style-type: none">Developed a full-stack Django/React web app with RESTful APIs for authentication, booking, and recommendations, integrated PostgreSQL for data management, enhancing user engagement and functionality.Strengthened security via JWT authentication, CSRF protection, and input validation, ensuring data integrity and user privacy.

Publications

A Review Paper on "Jarvie: AI-Driven Mental Health Companion" LINK
<ul style="list-style-type: none">Published in the <i>International Journal of Scientific Research in Engineering & Management</i>, 2024. Published on 16 October 2024. Co-authored by a team of 5 researchers.Explored the Intersection of Artificial Intelligence and Mental health, focusing on the potential of the AI-driven solution "Jarvie" to transform Mental well-being support.Highlighted Jarvie as an Innovative Companion designed to offer accessible and meaningful assistance to users.

Technical Skills

Languages: C++, Java, Python
Databases: MySQL
Web Development: HTML, CSS, Javascript