NAGA RESHMI BODEPUDI

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reshmibodepudi | reshmi-bodepudi | Portfolio Website

SUMMARY

Computer Science student with a focus on full-stack web development and Machine Learning. Experienced in leading teams, group projects, and hackathons, with strong interpersonal skills for effective communication and teamwork. Passionate about continuous learning and exploring new technologies.

EDUCATION

Degree	Major	Institute	Year	CGPA/%
B.Tech	CSE	B V Raju Institute of Technology	2022 – Present	9.24
Intermediate	MPC	Narayana Junior College	2020 – 2022	97.4%
Matriculation	SSC	Dwaraka High School	2019 – 2020	10

SKILLS

Programming	Java, Python
Development	HTML, CSS, JavaScript, Node.js, Express.js, Flask
Database	SQL, MongoDB
Tools	Git, GitHub, VSCode

WORK EXPERIENCE

Generative AI Intern – Hexagon R &D India 🌐   Aug 2024 – Nov 2024
Hyderabad, India

- Developed GenAI features to optimize industrial process control and automate response handling.
- Implemented an automated pipeline for prompt-based PID diagram generation from CSVs, reducing manual effort.
- Participated in agile sprints and weekly reviews to track development progress, integrate feedback, and align with project goals.

PROJECTS

SoulEase – AI Enhanced Personal Journal   GitHub Repo
React.js, Flask, ML
A mental health-focused web application where users maintain a personal journal. Integrated NLP techniques to analyze journal entries and detect user emotions in real-time.

KisanSathi – Agricultural Assistance Platform   GitHub Repo
HTML, CSS, JavaScript, Flask, ML, API Int.
Developed a multilingual crop prediction platform using machine learning models. Integrated an LLMs API to generate personalized crop reports tailored to individual farmers.

MeetCo – Video Communication Platform   GitHub Repo
MERN, Socket.io, WebRTC
Built a full-stack video conferencing platform enabling real-time peer-to-peer calls using WebRTC and Socket.io. Implemented secure room creation, user authentication, and seamless multi-user connectivity.

CONFERENCE ACTIVITY & PAPER PUBLICATIONS

7th International Conference on Circuit, Power and Computing Technologies 2024– BMCE, Kollam
Paper Title: SoulEase – AI-Enhanced Personal Journal: Text-Based Emotion Detection   🌐 IEEE Publication
Explored multiple ML and DL models including BiLSTM, SVM, and GenAI to detect user emotions from journal entries and enhance mood tracking.

CERTIFICATIONS

- Supervised Machine Learning – Regression and Classification - Coursera
- The Joy of Computing Using Python - NPTEL, 2023
- Front-End Web Development – HTML, CSS, JavaScript, ReactJS - Bolt IoT
- Guided Project – UI/UX Portfolio with GitHub - Coursera
- Object-Oriented Programming – Java - TUF+
- Best Paper Award – ICCPCT 2024 Conference

ACHIEVEMENTS

- Awarded the **Best Paper Award** at 7th ICCPCT 2024 for SoulEase in the Artificial Intelligence domain among 160+ participants.
- Secured **1st Place** in Yukthi National Hackathon and at the internal level of Smart India Hackathon.
- Served as Hospitality Head, **Coding Brigade BVRIT** – Organized a college-wide coding contest with 650+ participants and led club initiatives.