NIHAL RAJ

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SUMMARY

I am pursuing a B.Tech degree specializing in Information Technology at Vellore Institute of Technology, with skills in software engineering, web development, and mobile app development using C/C++, Kotlin, JavaScript, and Python.

EDUCATION

B.Tech,Information Technology   June 2024
Vellore Institute of Technology
Vellore, Tamil Nadu
Relevant coursework: Big Data, Cloud Computing, AI, ML, IoT, Software Testing, Web Development.

TECHNICAL SKILLS

Programming: C++, Kotlin,Flutter, JavaScript, HTML, CSS, Python (pandas, NumPy, scikit-learn, matplotlib).
Developer Tools: Android Studio, VS Code, Git, GitHub, npm (node), Netlify, API.
Frameworks: Node.Js, Express.Js,React.Js,Bootstrap
Cloud/Databases: MongoDB, SQL and NOSQL.
Prompt Engineering: Skilled in optimizing NLP models and enhancing AI performance through advanced engineering techniques, with a focus on improving output quality in diverse AI and ML applications.

PROFESSIONAL EXPERIENCE

Bahwan Cybertek, Bengaluru, Karnataka: Flutter Intern   Jan 2024 – Present
- Developed and maintained mobile applications using Flutter framework, ensuring high performance and reliability across multiple platforms.

SmartInternz (Google-Developers), Remote: Android Development Intern   May 2023 – July 2023
- Designed and developed 5 Android apps with Jetpack Compose, enhancing engagement, accessibility, and user satisfaction.
- Improved speech recognition accuracy by 30 percent with Jetpack Compose, implementing custom voice recognition features.

ACADEMIC PROJECTS

RecordPad || Link   May 2023 – July 2023
Android App transforming spoken words into text effortlessly.
- Implemented an inclusive speech-to-text solution, increasing accuracy by 10 percent and enabling notetaking, language learning, and voice control.

Image Generation using Stable Diffusion and IEA Algorithm || Link   Jan 2024 - May 2024
Positioned project as a significant advancement in AI-driven image generation.
- Implemented an AI-driven Image Generation project integrating Stable Diffusion Model, text-to-image generation, IEA-based user feedback, and post-processing within a unified architecture.

POSITIONS OF RESPONSIBILITY

Senior committee Member || VIT-Stellar   Jan 2022 – Jan 2023
Part of 30-member team to conduct the event and researched about space technology.

Club Member || Smile over Stress, Fitness and beyond   Jan 2023 – Jan 2024
Part of committee member, achieved wellness event success, fostering positivity and engagement.

OTHER WORK EXPERIENCE

JP Morgan Chase Software Engineering Virtual Experience, Remote: SDE   May 2023 - October 2023
- Employed Python, Git and React.js for 3 projects, boosting team efficiency by 20 percent.
- Integrated Perspective open-source code and JPMC Cooperation's tools for projects that raised user engagement by 30 percent.