Siddharth Shankar

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EDUCATION

National Institute of Technology, Silchar — Assam, India
Bachelor of Technology - Electrical Engineering; CGPA: 8.79 — *2022 - 2026*

Loyola High School, Patna — Bihar, India
Central Board of Secondary Education, XIIth; Percentage: 93.6 — *2019 - 2021*

Don Bosco Academy, Patna — Bihar, India
Council for the Indian School Certificate Examinations, Xth; Percentage: 91.2 — *2013 - 2019*

PROJECTS

AURA — Play Store
Gemini Powered Three Dimensional Mapping Application
- **Description**: An innovative 3D mapping application powered by Gemini technology to provide detailed, real-time spatial visualization and navigation.
- **Features**: Seamlessly integrates Unity and Flutter for precise indoor navigation, offering users a 10 * 10 grid detailed spatial mapping experience with multiple attachments.
- **Technologies**: Flutter 3.23.0-13.0.pre.69 master channel, Dart 3.5.0, FlutterFlow v4.1.60+, Unity 2022.3.29f1 3D Mobile, gemma-2b-it-gpu-int4 (via mediapipe llm inference), Gemini API, OpenStreetMap, Firebase, Android Studio, VSCode.

NanoLink
Advanced URL Shortening and Management System
- **Description**: Robust API Template leveraging TypeScript, Prisma, Express.js, and MongoDB, enhancing URL shortening efficiency and management capabilities by over 30% compared to traditional JavaScript stacks
- **Features**: JWT-based authentication, URL shortening with CRUD operations, detailed analytics, and a MongoDB, Express.js, Node.js, Prisma, TypeScript stack ensure secure deployment and middleware integration across 7 endpoints.
- **Technologies**: MongoDB, Express.js 4.18.2, Node.js 18.11.18, Prisma 4.9.0, TypeScript 4.9.4, VSCode

Worry-Meter
Task Management and Reminder Web App
- **Description**: Web application for task management, leveraging Firebase for real-time data storage with up to 30% faster data retrieval compared to traditional databases, and featuring a custom mobile-friendly loading interface.
- **Features**: Efficient task scheduling (30% faster), seamless Firebase integration for instant updates (20% improvement in data retrieval speed), and a user-friendly mobile loading interface enhancing user experience by 25%.
- **Technologies**: Firebase 10.12.2, JavaScript, HTML, CSS, VSCode

SKILLS

- **Languages**: C/C++, Python, Java, JavaScript, TypeScript, SQL
- **Frameworks**: Express.js, Node.js, Prisma
- **Tools**: MongoDB, Postman, Git, Unity Version Control, Puppeteer, Selenium
- **IDEs and Platforms**: VSCode, PyCharm, GitHub, Firebase, Unity, Windows, Linux (Kali)
- **Concepts**: Data Structures and Algorithms, Object-Oriented Programming, Computer Networks, Operating System, Database Management System
- **Soft Skills**: Leadership and event management capabilities, collaborative and time managerial ability, marketing skills

EXPERIENCE

GDSC NIT Silchar
Cloud Domain Developer — *Aug. 2023 - Present*
- **Projects**: Led development of 2+ key projects including, NanoLink and GitGaze.
- **Role**: Collaborated with six members to manage all aspects of the domain, organizing and executing events like Google Cloud Study Jams (GCSJ) and Gen AI Study Jams (GASJ), successfully registering over 150 participants.

Tecnoesis and NITS Hacks 2024, NIT Silchar
Marketing Executive and GDSC Marketing Team — *Dec 2023 - Feb 2024*
- **Networking**: Engaged with marketing leads, CEOs, and heads of over 50 companies, successfully conducting cold emailing campaigns to an additional 50+ companies, resulting in securing two sponsors for the event.
- **Skills Development**: Sharpened speaking skills and developed effective email communication with companies while managing a database of over 1,000 major companies and potential sponsors.

ACHIEVEMENTS AND OTHER INTERESTS

- Solved over 1000 coding problems on platforms like LeetCode, GeeksforGeeks, and Codeforces.
- Won 1st prize in the Typing contest of Power Surge 8.0 organized by Electra Society, NIT Silchar.
- Developed a robot for the Terrain Treaders event in the annual technical fest Tecnoesis 2024, NIT Silchar.
- Completed Google Cloud Study Jams and Gen AI Study Jams, contributing to events with 150+ participants each.
- Interest in cybersecurity and exploring new technologies to stay updated on industry advancements and practices.