

SKILLS

Programming Languages	JavaScript, Python, HTML5, CSS
Tools & Platforms	Git, GitHub, VS Code, Cloudinary, Postman, namecheap, Figma, Webpack, CI/CD
Database Management	MongoDB, MongoDB atlas
Frameworks & Libraries	ReactJS, Node.js, Express.js, Tailwind CSS, Bootstrap, JWT, Bcrypt, MongooseJS, Redux, AJAX, JSON
Additional skills	Familiar with python, PHP, MySQL

TECHNICAL EXPERIENCE

Embedded Systems & IOT application Intern Feb 2022 -March 2023

IETE Bangalore

- Spearheaded the design and development of the IOT Website for IETE Bangalore, leveraging web development technologies such as **HTML**, **CSS**, and **JavaScript**. This initiative led to a highly intuitive and user-friendly interface, enhancing the overall **user experience**. [Video Link](#)
- Successfully implemented a synergy of hardware and software, incorporating **web development techniques**, to achieve a real-time display of environmental parameters. The result was an impressive **80%** accuracy rate, showcasing the effective integration of **web technologies** for data visualization.
- Committed to **staying updated** with the latest trends and technologies **adapting quickly** to evolving project requirements and new technologies.

PROJECTS

STUDY NOTION-EduTechLearning -[GitHub](#) Sep 2023— Jan 2024

- Attained **mastery** in MERN stack, specializing in MongoDB, Express.js, React, and Node.js for full-stack development.
- Designed and **implemented** modern and intuitive user interfaces using React, achieving a **20% improvement** in user engagement by employing cutting-edge front-end technologies.
- Engineered **robust** server-side applications with Express.js and Node.js, establishing **efficient** RESTful APIs that resulted in a **30% reduction** in server response time.
- Implemented **scalable** and **efficient** MongoDB storage, optimizing database schemas and queries, leading to a **40% increase** in data retrieval speed.
- Seamlessly **integrated** third-party APIs, expanding application functionality and contributing to a **25% growth** in user base.
- Implemented **secure** user authentication, ensuring **encryption** and best practices for data security, achieving a **zero-security breach** record.
- Efficiently managed the entire development lifecycle in an Agile environment, **utilizing** Git for solo version control. Achieved a **20% improvement** in productivity through streamlined code management and organization.
- Proficiently **identified** and **resolved** bugs throughout the development lifecycle, maintaining high-quality code, resulting in a **99% bug-free** release.

Enhanced Agriculture and Control System Aug 2023

- Designed and implemented a **cutting-edge prototype** to monitor crucial environmental parameters for optimizing agricultural processes.
- Engineered an impactful **water usage control system** for farms by leveraging **IoT technology**, resulting in a remarkable **70%** reduction in water wastage. This initiative contributed to enhanced **sustainability** and **resource management** in agricultural practices.
- Innovated a **renewable dual-axis solar tracking system** for **IoT devices**, ensuring uninterrupted data collection and control. Surpassed **energy contribution** of static solar systems, achieving a remarkable **40%** increase in **power collected** for enhanced efficiency in sustainable **IoT power generation**.

EDUCATION

MS Ramaiah Institute of Technology <i>Bachelor of Engineering in Electronics and Telecommunication</i>	July 2020 — June 2023 <i>Bangalore, Karnataka</i>
Karnataka Govt Polytechnic <i>Electronics and Communication Engineering</i>	April 2017 — April 2020 <i>Mangalore, Karnataka</i>

ACTIVITIES

Team lead at Pradarshana MSRIT	April 2023
Volunteer at IETE-Institute of Electronics and Telecommunications Engineers KJSCE	Jun 2021 — Jun 2024