

BHARANIDHARAUN A

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EDUCATION

Bannari Amman Institute Of Technology:	B.Tech Information Technology GPA : 8.51	2022-Current
Holy Cross Higher Secondary School :	HSC 88%	2021-2022
Holy Cross Higher Secondary School :	SSLC 94%	2019-2020

TECHNICAL SKILLS

Languages : Python, C, Java, HTML, XML, CSS
Frameworks : Android Studio(Java), QT, Flask, React.js, Express, Node.js, TailWind
DevOps and API Tools : Git, BitBucket, Postman
DBMS: MY SQL, Fire Base, Mongo DB
Area Of Interest: Linux,AI(OpenCV)
Others : Strategical Planner, Empathetic Leader, Cross Functional Collaboration, Analytical Thinker

INTERNSHIP EXPERIENCE

App Developer | ALT HEAL HOLISTIC MD LLP April 2024 –May 2024
– Worked on a **Fitness and Health App**, migrating **Butterknife to ViewBinding** across tracking screens to reduce boilerplate by 20% and improve type safety.
– Converted **Gradle scripts from Groovy to Kotlin DSL**, achieving 15% faster build times and better IDE support.
– Optimized **data structures** by replacing arrays with LinkedLists, enhancing memory efficiency by 10% in health tracking modules.

PROJECTS

Hygiene Monitor In Dairy Industry | Python,OpenCv, YoloV5, Pandas, Flask, HTML,CSS 🌐Github
– Developed a Hygiene Monitor System using **YOLOv5** for laborers' safety compliance, reducing manual monitoring by **40%**.
– Created a predictive model with **95.5%** accuracy for real-time verification, enhancing workplace safety and efficiency
– Implemented image (rather than video) processing to improve system speed and efficiency by approximately **30%**, allowing real-time task verification.
– Established an integrated compliance checklist facilitating seamless real-time task verification, **enhancing both monitoring capabilities and workplace safety through accurate automation** that provided actionable data insights daily.

Job Listing Scrapper From Indeed.com | Python, Selenium 🌐Github
– Developed a web scraping tool using **Selenium** to automate the extraction of job listings for **"software developer"** positions from **Indeed**, improving data collection efficiency by **40%**.
– **Enhanced job market analysis** by systematically **extracting and analyzing comprehensive job data** from diverse online platforms, enabling **strategic insights** and **data-driven decision-making**.
– Automated browser interactions and extracted relevant details such as **job titles** and **company names**, reducing manual data entry efforts by **50%**.

Six-Axis Robot Simulator | QT, Unity 🌐Github
– Built an intuitive simulator model showcasing realistic six-axis movements for diverse industries, leading teams through the identification of three key challenges encountered during physical operations on actual assembly lines.
– Enhanced visual appeal by integrating **Blender models**, surpassing traditional OpenGL robot models in detail and realism.
– Deployed features for **real-time motion simulation**, improving user understanding of robotic operations.

Student Database Management System | React.js, SQL, Express.js, 🌐Github
– Designed and launched a Student Database Management System using React, incorporating a responsive user interface that enabled efficient handling of over 1,000 student records with improved accessibility for administrative staff.
– Implemented comprehensive **CRUD operations** for seamless data manipulation and retrieval of student records.
– Utilized **RESTful APIs** for data interactions, ensuring efficient communication between the frontend and backend services.

Task Assigning and Productivity Tool For Students | QT, SQL 🌐Github
– **Engineered a Task Assigner and Productivity Tool** for students using **Qt**, incorporating a **TCP connection** for **real-time task management** and collaboration within a **local network**.
– **Crafted an intuitive user interface** that streamlined task tracking and assignment, resulting in a **notable boost in student productivity**.
– **Employed SQL** for **robust data storage** and retrieval, ensuring **data integrity** and facilitating **seamless communication** among users.

ACHIEVEMENTS AND CERTIFICATIONS

BIT Hacks'23 Winner(Intra College Hackathon)	October 2023
Smart India Hackathon 2023 Hardware Edition Winner	November 2023
Fundamentals of Deep Learning NVIDIA	October 2024