Harsh Suvarna
Software Developer
Glasgow, Scotland
+44 0741875686 | harsh.suvarna9962@gmail.com | Website | LinkedIn | GitHub

Academic Qualification

Degree	Institute	Year	Coursework
M.Sc. Information Technology	University of Glasgow	Sep 2023-present	Software Development, Database theory and Analytics, Enterprise Cyber Security
B.E. Instrumentation Engineering	Mumbai University	July 2017-Aug 2021	Structured Programming Approach, DBMS, Object Oriented Programming Grade – 8.8/10

Technical Skills

JavaScript, Typescript, HTML, CSS, React, Svelte, NodeJS, ExpressJS, NestJS, Docker, MySQL, PostgreSQL, MongoDB, Git, AWS (Lambda, S3, ECS, EC2, Cognito), Python, Java, GitHub workflows, Jira.

Professional Experience

Full Stack Developer Code B **Mumbai, India Aug 2022 - July 2023**	– Created comprehensive full-stack web applications with over 50 fields, serving clients from the UK and the US. – Developed real-time chat applications and chat rooms using Web Socket technology. – Utilised Puppeteer to develop web automation scripts and web scraping tools, enabling efficient data mining. – Contributed to the development of quality assurance tools for automated testing, enhancing software reliability and performance. *Skills – React, Typescript, AWS, Svelte, Nodejs, Html, CSS, MongoDB, ExpressJs, NestJs, Docker, Puppeteer, Playwright, Object oriented programming, Data Structures, Documentation*
Analyst in Business Consulting Ernst & Young **Mumbai, India Jul 2021 – Jan 2022**	– Performed concurrent audits on Banking products encompassing RTGS, NEFT, cash clearing and Demand drafts. – Achieved a 60% reduction in audit time by extensively utilising EY Digicube, streamlining financial data, and automating critical processes. – Conducted both planned and surprise audits of bank branches across diverse locations, including Mumbai, Delhi, Bengaluru, and Pune. *Skills –Python, Advance Excel, Consulting, Team collaboration*

Projects

- **Butik** is a web application that shows the user nearby stores and browse the products they have, encouraging touch and feel shopping while encouraging small businesses. It was developed using React, Fast API, MySQL and GCP hosting of API services. By implementing OTP based login, it offers better security than password-based user login. Frontend-repository Backend-repository Demo
- **Automatic car parking** using model predictive control action to come up with a path to the parking spot in an efficient manner. It also manoeuvres around the obstacle (in any) to react the parking space. Built using python's object-oriented programming, it outputs the acceleration and velocity needed for the manoeuvre to the destination which can be used by a self-driven car. GitHub

Achievements

- Earned the **EY "I am Exceptional" award** for displaying outstanding and innovative intellectual contributions.
- Created mathematical model and simulation of heat dissipation systems and solar tracker using MATLAB which contributed to propelling the team into top five **finalists** in the **Solar Decathlon India** 2020-2021, for building resilient shelters, competing against over 100 teams nationwide.