

GAUTHAM PRAKASH

Birmingham, United Kingdom | Phone: +447768133667 | Email: gauthamprakash8470@gmail.com | LinkedIn: <https://www.linkedin.com/in/gauthamprakash/> | GitHub: <https://github.com/GauthamPrakash14>

PROFILE

I am passionate towards technology particularly in the field of Computer Science. Curious and motivated to learn new tech. Looking forward to associating my technological skills in computer science with an organization to bring great value. Experienced Software Engineer with 2+ years of working in the Software industry looking for new roles in the field of Software Engineering and technology. I exhibit strong programming base with deep knowledge of mainstream programming languages. Always excited to learn new programming languages and associated technologies.

EXPERIENCE

Data Editor - INRIX

Birmingham, United Kingdom | Part-time

Oct 2023 - Present

Identified most road and lane blockages in states like California and New York, helping drivers find free-flowing routes and arrive on time.

- Reported road-blocking incidents in the US and Canada using scraped data and Inrix's mapping tool.
- Scraped incident data from Department of Transport (DOT) websites and the Twitter API using Python.
- Pinpointed exact incident locations, identified blocked lanes, and calculated severity from the scraped data.
- Python, PostgreSQL, Power BI, Google maps API, Google maps, Google Cloud Console.

Associate Software Engineer – KeyValue Software Systems

Ernakulam, India | Full-time

Feb 2021 – Aug 2022

Worked as part of the development team of LUMMOSHOP- Indonesia which is one of the popular E-Commerce platforms in Indonesia.

- Been part of developing features that run-in growth to the platform such as merchant referral, merchant academy, merchant login and sign up.
 - Used React, Redux Toolkit, MUI, Storybooks, HTML, CSS, and JavaScript to develop front end pages of web application.
 - Handled user data using Nodejs, MongoDB and PostgreSQL.
 - Code review, GitHub, Version control.
 - Google cloud console, Google cloud storage buckets.
-

EDUCATION

MSc Advanced Computer Science

University of Leicester | Leicester, United Kingdom

Sept 2022 – Nov 2023

Modules: Analysis and design of algorithms, Advanced C++, Big data and predictive analysis, Computational intelligence and software engineering, Mobile and web applications, Internet and cloud computing, Generative Development.

MSc Project: Software bug tracking and reporting tool.

- Full stack bug tracking and reporting tool build using Python Flask, Google BigQuery and ReactJS.
- Developed and maintained REST APIs using Python Flask and wrote fast and efficient SQL queries to retrieve and load data in Google's BigQuery.
- User-friendly intuitive user interface with ReactJS.

Bachelor's in technology in Computer Science

Kerala Technological University | Ernakulam, India

Jun 2016 – May 2020

Modules: DBMS, Python Programming, Object oriented programming concepts, Data Structures, Advanced Java. Mathematics, Graph Theory, Design and analysis of algorithms, Computer organization and architecture, Compiler design, Operating system design.

BTech Project: E-MOBILITY INFRA LOAD ASSIST

- Based on a data-centric approach to resolve problems that would be faced in an electric vehicle era with an algorithm that predicts the demand power figures of each charging station per hour using Time Series Analysis with Python and balances the load between each charging station in real-time.
- If more than enough energy is being produced or consumed, they are to be redistributed to balance the load.
- The operator can offer dynamic pricing at stipulated times and manage peak demand accordingly.
- Awarded as the best project from the batch.

SKILLS

Programming Languages: C, C++, C#, Python, Java, SQL

Development: HTML, CSS, JavaScript, TypeScript, React, React Native, Node.js, Express.js, Tailwind CSS, Redux Toolkit, REST APIs, MongoDB, PostgreSQL, SQLite, Python Flask, Python Django, Git, Postman, Agile Development.

Cloud: Google Cloud Console, Google Cloud Storage, Google BigQuery, AWS, AWS EC2.

IDEs and Tools: VS Code, IntelliJ, GitHub, GitLab, BitBucket, Microsoft Office Tools, Jira, Slack, Teams.

Languages: English, Hindi, Malayalam.

Others: Problem Solving, Critical Thinking, Communication, Presentation, Technical Documentation, Attention to detail.
