BASKARAN VAISHNAVAN

📞 +94773668707 — 📞 +918293772407 —
✉ bcsvaish0000@gmail.com —
🔗 www.linkedin.com/in/baskaran-vaishnavan-bcs14 — ⚫ https://github.com/BCS-VAISH

About me — I am an undergraduate in Computer Science and Engineering at NIT Durgapur, India, proficient in C, C++, SQL, Python, Java, HTML, CSS, and JavaScript. With a strong foundation in software development and problem-solving, I consistently deliver high-quality, scalable solutions within deadlines. My passion lies in developing efficient and innovative technologies that solve real-world challenges.I am eager to apply my skills and knowledge in a dynamic, forward-thinking company, where I can contribute to impactful projects and continue to grow both technically and professionally.

Skills Summary

– **Languages:** Python, C/C++, JavaScript, SQL, CSS, HTML, R, R-Studio, JAVA

– **Frameworks:** React, NodeJS

– **Tools:** VS Code, Python IDE, PostgreSQL, MySQL, SQLite, Eclipse, Python Pycharm, Lingo

– **Platforms:** Linux, Web, Windows, IOS

– **Area of Interest:** CyberSecurity, Web Design Development,Software Development

– **Technical Skills:** Programming Language, Full Stack Development, CyberSecurity, Data Analysis

– **Soft Skills:** Leadership, Teamwork, Public Speaking, Time Management, Active Listening

Experience

Oasis Infobyte   **Aug 2024 – Sep 2024**
AICTE OIB-SIP internship in Pthyon Programming

– Command-Line BMI Calculator: Developed a command-line application that calculates Body Mass Index (BMI) based on user input. The program takes weight and height inputs, processes the data, and outputs BMI categories.
– Command-Line Password Generator: Created a password generator tool that generates strong, random passwords based on user-defined criteria (such as length, inclusion of special characters, numbers, and uppercase/lowercase letters).

Education

National Institute Of Technology, Durgapur   **Nov 2022 – June 2026, India**
B.Tech in Computer Science And Engineering- GPA: 8.33

Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Object Oriented Program, Compiler Design, Signal And System, Databases,Computer Organization and Architecture,Embedded System

J/Chavakachcheri Hindu College   **Apr 2017 – Aug 2019, Sri Lanka**

– Advance level Examination – Grade 13 – Result : ABC

J/Chavakachcheri Hindu College   **2016, Sri Lanka**

– Ordinary level Examination – Grade 11 – Result : 8AB

Projects

Personal Portfolio (Web Development, TECH: HTML,CSS,Javascript,Node.js,React)   **2024**

– Developed a personal portfolio website to showcase web development skills, with a focus on responsive design and performance optimization.
– Utilized React for the front-end interface and integrated Node.js
– Collaborated with designers and front-end developers to ensure a seamless and interactive user experience.

Railway Reservation System (Socket Programming,TECH:C)   **2024,NIT DURGAPUR**

– Implemented Socket Programming
– Defined reservation policies to allocate seats based on user needs (e.g., elderly passengers get priority for front-row seats).
– Implemented dynamic pricing for tickets based on demand, availability, and special offers.
– Designed a user-friendly, text-based interface for seamless interaction.
– Utilized multithreading to handle concurrent user requests, ensuring system performance and scalability.
– Enabled user authentication with passwords for secure login and registration.

Awards

Indian Council for Cultural Relations Scholarship   Nov 2022
  – Received the Indian Council for Cultural Relations Scholarship for Bachelor Degree, showcasing recognition of academic excellence

Second Runner's Up at National Level Mathematical Quiz   2018
  – Achieved Second Runner's Up at the National Level Mathematical Quiz, demonstrating strong analytical and problem-solving abilities

first Runner's Up at Provincial Level Mathematical Quiz   2018
  – Secured First Runner's Up at the Provincial Level Mathematical Quiz, highlighting competitive spirit and mathematical skills