

BARATH S

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GitHub Link: <https://leetcode.com/u/Barath0509>

Leetcode Link: <https://github.com/Barath-s-05>



CAREER OBJECTIVE

Computer Science (Data Science) undergraduate with hands-on experience in full-stack development and machine learning projects. Proficient in Python, JavaScript, SQL, REST APIs, and data analysis, with experience building scalable web applications and AI-based systems. Seeking an entry-level role to apply technical expertise, analytical thinking, and teamwork skills in developing efficient, real-world software and data-driven solutions.

EDUCATION QUALIFICATION

- **Bachelor of Engineering (B.E) - Computer Science Engineering (Data Science)**

CMR Institute of Technology, Bengaluru

CGPA: 8.58, 2027[Pursuing]

- **12th standard**

Adarsh Matriculation Higher Secondary School, Vaniyambadi, Tamil Nadu

Percentage: 90.3%, 2023

- **10th standard**

Adarsh Matriculation Higher Secondary School, Vaniyambadi, Tamil Nadu

Percentage: 95%, 2021

TECHNICAL SKILLS

- **Programming Language:** Python, JavaScript, C, Java
 - **Frameworks & Libraries:** React JS, Express JS, Node JS
 - **Databases:** SQL, MongoDB (NoSQL)
 - **Tools:** Git, GitHub, Tableau, Power BI
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PROJECTS

- **Credit Card Fraud Detection System**
 - Developed an end-to-end credit card fraud detection system using Random Forest with data preprocessing and confidence scoring.
 - Built REST APIs using Fast API and integrated with a React-based frontend.
 - Designed real-time analytics dashboards using Stream lit and Plotly.
 - Tech stack: Python, Fast API, Scikit-learn, Joblib, React.js, Material UI, Stream lit, Plotly, Pandas, NumPy, ML, AI
- **AI-Powered Disease Prediction**
 - Developed an AI-driven disease prediction system using ensemble machine learning models based on user-selected symptoms.
 - Implemented symptom severity weighting, age and gender features, and probability-based top 3 predictions to improve model accuracy.
 - Built an interactive web interface with searchable inputs and data-driven recommendations for enhanced user experience.
 - Tech stack: Python, HTML5, CSS3, ML
- **CapyCares – AI-Powered Peer Support Platform**
 - Developed a web-based peer support platform focused on mental health support, community interaction, and student well-being.
 - Integrated an AI-powered chatbot to analyse mood patterns, conduct context-aware conversations, and escalate critical cases.
 - Designed interactive community features, daily motivational content, and UI animations to improve user engagement and platform retention.

- Tech stack: HTML5, CSS3, Python, ML, AI
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INTERNSHIPS

- **Prodigy InfoTech, Bengaluru, India**

Duration: 1 Month (August,2025 – September,2025)

Designation: Web Developer intern

Responsibilities:

- Contributed to 2+ real-world web development projects using HTML5, CSS3, and JavaScript.
- Collaborated with the design team to implement UI/UX improvements based on user feedback.
- Used Git for version control and team collaboration.

- **The Design Theeta, Bengaluru, India**

Duration: 2 Months (September,2024 – November,2024)

Designation: Web Designer Intern

Responsibilities:

- Designed responsive web layouts using HTML5 and CSS3 following modern UI/UX standards.
 - Contributed to UI/UX design improvements based on mentor and stakeholder feedback.
 - Created logos and visual assets using Adobe design tools for branding and interface elements.
 - Worked on visual enhancements to improve usability and design consistency across web layouts.
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CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES

- **Patent & Copyright:**

- Filed patent application for a Proactive Reminder Keychain with Vibration and Wireless Communication System.
- Filed patent application for a Low-Cost Clip-On Flame Detection and Alert System for Conventional Gas Stoves.

- **Online Courses & Certifications:**

- Certified in “Divide and Conquer, Sorting and Searching, and Randomized Algorithms” – Stanford University (Coursera).
- Certified in “Databases and SQL for Data Science with Python” – IBM (Coursera).
- Earned certification in “Python for Machine Learning” – Great Learning Academy.
- Successfully finished “Learning Full Stack React” – Infosys Springboard.
- Obtained certification in “Fundamentals of Data Structures and Algorithms” – CMR Institute of Technology.

- **Hackathons:**

- Full stack Fiesta (Areta, Bangalore), February-2025
- TechXcelerate (BITS Hyderabad), March-2025
- MSME Idea Hackathon, August-2025
- SIH Internal Hackathon, Sept-2025

- **Technical Club Activities:**

- Serving as the Secretary in Higher Studies Club (2025-26)
- Serving as the Soft skills Lead in CCA (2025-26)
- Served as the Secretary in Rare Club (2024-25)

- **Additional Responsibilities:**

- Member of Peer Support Team
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AWARDS & ACHIEVEMENTS

- 2nd Prize – College Mini-project Competition for Weather Station & Wi-Fi Sensor Station with Dog Robot
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PERSONAL DETAILS

Date of Birth	: 05 th September 2005
Gender	: Male
Nationality	: Indian
Permanent Address	: 118, Nallan Street, Periyapet, Vaniyambadi, Tamil Nadu - 635751
Linguistic Competencies	: English, Hindi, Tamil
Hobbies	: Music, Cooking, Drawing