

## **BARATH S**

**Current Address:** Colive Rio Grande (opp. Dominos),  
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**Portfolio:** <https://barath-s.vercel.app/>

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**LinkedIn:** [www.linkedin.com/in/barath-s05](https://www.linkedin.com/in/barath-s05)

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

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



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## **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.

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## **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

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## **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 Streamlit and Plotly.
- Tech stack: Python, Fast API, Scikit-learn, Joblib, React.js, Material UI, Streamlit, 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<sup>th</sup> 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