

Barathram B

Aspiring **Software Engineer** with a strong foundation in **Full Stack, Machine Learning, OOPS, DSA, data analysis and UI/UX design**. Interested in **learning and solving problems**, with experience working in **team settings** and contributing to projects effectively.

PROJECTS

ML Projects

Intrusion Detection System

- Developed a Gated Recurrent Units (GRU)-based Intrusion Detection System (IDS) with an attention mechanism, achieving **98.75%** accuracy and reducing the false positive rate to under **3%**.
- Tested with **5,000+** attack scenarios (e.g., DDoS, SQL injection, phishing), ensuring robust threat detection through iterative training over **220** epochs.

Monetary Smurfing Analytics Model

[Explore](#) 

- Build a machine learning model using CatBoost and Random Forest algorithms to detect potential money laundering activities from transaction data, achieving an accuracy of **99**
- Achieved **0.42** F1-score, balancing precision and recall to optimize fraud detection while minimizing false alerts.
- published in the "International Research Journal on Advanced Engineering Hub (IRJAEH)" e ISSN: 2584-2137.

Web Development Project

Storify Fashions

[Explore](#) 

- Developed and implemented a responsive and visually appealing **front-end design** for the Storify Fashion website, focusing on fashion e-commerce.

PROFESSIONAL EXPERIENCE

QA Intern – Arugil Tech Solution

Jan 2025 – May 2025

- Currently working on Arugil Startup on manual testing and assisted in automated testing for mobile applications

Product Engineering Intern – Matrimony.com

July 2025 – Present

- Developed full-stack features using **Angular, typescript, Node.js, MySQL, and GraphQL**.
- Integrated APIs and optimized database queries for better performance.
- Collaborated with team on end-to-end development, testing, and deployment.

CONTACT

- Coimbatore
- 7339585803
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- [GitHub](#)
- [linkedin](#)
- [Portfolio](#)

SKILLS

Hard Skills:

- C
- Java
- GraphQL
- HTML, CSS
- Typescript
- Javascript
- MySQL
- UI/UX Design
- GitHub
- Angular
- ReactJS

Techniques:

- Leadership
- Team Work

Tools:

- VS Code
- Figma
- Canva
- Excel

EDUCATION

- **SSLC – 85%** And **HSC – 85%** | Ravilla KRA vidhyasharam MHSS | 2019–2021
- Sri Ramakrishna Engineering College | 2021 – 2025
- B.E ComputerScience and Engineering | **8.06**