

# ARSHAD PASHA

Full Stack Web Developer | AI/ML & Data Science Enthusiast

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## SUMMARY

A highly motivated and results-driven developer with a robust portfolio of over 10 projects in Full Stack Web Development, AI/ML, and Cybersecurity. Expertise in building scalable and secure web applications using technologies like ReactJS and Flask, while leveraging AI/ML frameworks such as TensorFlow and PyTorch for innovative solutions. Proven experience in competitive hackathons and open-source contributions. A fast learner with a comprehensive skill set across diverse IT domains and a passion for continuous learning.

## TECHNICAL SKILLS

**Full Stack & Web Development:** HTML, CSS, JavaScript, ReactJS, Next.js, Flask, MySQL, SQLite, MongoDB, Firebase, Git, GitHub, Netlify, Render.com, Railway

**AI/ML & Data Science:** Python, Pandas, TensorFlow, PyTorch, OpenCV, Vertex AI, Gemini API, DeepSeek API, Generative AI, Data Science Fundamentals

**Cybersecurity & Automation:** Kali Linux, Robotic Process Automation (RPA), UiPath, Cryptography, Steganography, Network Security, Threat Analysis, Ethical Hacking

**DevOps & Cloud:** Google Cloud Platform (GCP), GitHub Actions, GitLab, Vertex AI

**Programming Languages:** Python, JavaScript, Java, C, C++

**Database Systems:** MySQL, SQLite, MongoDB, Firebase, JSON (for data handling)

**Operating Systems:** Windows, Ubuntu, Kali Linux, Arch Linux, Porteus Kiosk

**Deployment & Hosting:** Netlify, Render.com, Railway, InfinityFree, 000webhost

## SELECTED PROJECTS

A comprehensive portfolio of all projects is available on my [website](#) and [GitHub](#).

**Library Management System** (Flask, MySQL, HTML, CSS, JavaScript)

- A full-stack web application with features for user management, book/member CRUD, and real-time search.
- Implemented secure password hashing and SQL injection prevention, enhancing application security.
- Deployed the application on Railway, integrating with an external MySQL database.

**Criminal-Identification-System** (Python, OpenCV, Face Recognition, Tkinter, SQLite)

- Engineered a real-time facial recognition system with an SMS alert integration for automated criminal detection.
- Designed and implemented a three-module system for Registration, Detection, and Live Video Surveillance.

**Encrypt, Decrypt, Images Cybersecurity** (Python, API key)

- Created a GUI-based tool that uses steganography to securely embed and extract encrypted text within images.
- Enhanced practical skills in image processing and cryptography for secure data hiding.

**ElementMix ISRO Chemical Reaction Simulator** (Python, JSON, API key)

- Developed a chemical reaction simulator that accepts two reactants or a chemical formula as input and predicts the reaction and output.
- Integrated DeepSeek AI via OpenRouter API to analyze inputs and generate balanced equations and explanations.

**Infosys Hackathon – SmartRecycle Platform** (ReactJS, JSON, Python, MySQL)

- Built a functional web platform in 48 hours for a hackathon, enabling users to request garbage pickup and redeem rewards.
- Showcased ability to rapidly develop a full-stack solution under time constraints.

**Chrome Extension - Personal Productivity Tool** (HTML, CSS, JavaScript)

- Engineered a lightweight Chrome extension to boost daily productivity.
- Implemented features for quick task notes and utilized localStorage for efficient data saving.
- Designed an instant popup interface, streamlining routine workflows and providing fast access to core functionalities.

## INTERNSHIPS & PROFESSIONAL EXPERIENCE

**Artificial Intelligence and Data Analytics Intern**

June 2025 - July 2025

(AICTE, Shell India Markets Private Limited, Edunet Foundation)

- Completed a 4-week virtual internship focused on AI, Data Analytics, and "Green Skills".

**Web Development Intern** (Nexus Logic Technologies)

March 2025 - May 2025

- Contributed to web development projects, demonstrating a strong understanding of modern web technologies.

**Cyber Security Intern** (Edunet Foundation, AICTE, IBM SkillsBuild)

Culminated June 2025

- Contributed to web development projects, demonstrating a strong understanding of modern web technologies.

<b>Foundations of AI Intern</b> (Edunet Foundation - Microsoft Initiative)	<b>April 2025 - May 2025</b>
<ul style="list-style-type: none"> <li>Contributed to web development projects, demonstrating a strong understanding of modern web technologies.</li> </ul>	
<b>Data Analytics Job Simulation</b> (Deloitte Australia)	<b>June 2025</b>
<ul style="list-style-type: none"> <li>Completed a comprehensive virtual experience, gaining practical exposure to real-world data analytics challenges.</li> </ul>	
<b>Cybersecurity Virtual Experience Program</b> (Deloitte - Forage)	<b>June 2025</b>
<ul style="list-style-type: none"> <li>Gained hands-on experience in real-world cybersecurity scenarios and tasks, simulating the role of a cybersecurity analyst.</li> </ul>	
<b>Full Stack Development Intern</b> (Micro IT)	<b>April 2025 (1-Month Program)</b>
<ul style="list-style-type: none"> <li>Successfully completed a 4-week program focused on the foundational principles and applications of Artificial Intelligence.</li> </ul>	

## EDUCATION

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**Seshadripuram Degree College , Mysore** **2023 - 2026**  
**Bachelor of Computer Applications (BCA)**  
**University of Mysore**

## CERTIFICATIONS

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**Google Cloud : Build Multi-Modal GenAI Applications (Vertex AI)**  
 Explored Generative AI with the Gemini API in Vertex AI  
 Google Cloud Skills Boost Profile: [Cloud Skill Boost Profile](#)

**Infosys Springboard:** OpenAI GPT-3 for Developers, Introduction to AI, Introduction to Data Science

**Microsoft:** Foundations of AI (in collaboration with Edunet Foundation and AICTE)

**UiPath:** RPA Developer Training

**Cybersecurity & Ethical Hacking:** Kali Linux (Self-Learned, 2021)

**Deloitte:** Data Analytics Job Simulation

**Deloitte (Forage):** Cybersecurity Virtual Experience Program

## LEADERSHIP & AWARDS

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- 1st Prize:** Website Development Competition at Inter-College Fest (Degree Level)
- 2nd Prize:** Website Development Competition at PU Level)
- Open-Source Contributor :** Social Summer of Code (SSOC)
- Leadership Roles:** Education Vice-Captain (PU College) and Class Representative (Degree College)

## HACKATHONS

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**Infosys Global Hackathon :** **July 11-12, 2025**  
 It was 2-day challenge, gaining insights into large-scale project execution and industrial workflows.  
 Our team was selected online from many participants, showing strong project potential.  
 Acquired new skills and practical experience in a real-time, competitive environment.

**AITHON (AI Tools Hackathon) :**

- Learned to leverage AI tools for web creation, image generation, and data analysis to build

**Hindustan College Hackathon 2024:**

- Developed a health and wellness website as a **first hackathon** project, gaining valuable experience in competitive, time-bound project development.