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

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.

Foundations of AI Intern (Edunet Foundation - Microsoft Initiative**)**   **April 2025 - May 2025**
- Contributed to web development projects, demonstrating a strong understanding of modern web technologies.

Data Analytics Job Simulation (Deloitte Australia**)**   **June 2025**
- Completed a comprehensive virtual experience, gaining practical exposure to real-world data analytics challenges.

Cybersecurity Virtual Experience Program (Deloitte - Forage**)**   **June 2025**
- Gained hands-on experience in real-world cybersecurity scenarios and tasks, simulating the role of a cybersecurity analyst.

Full Stack Development Intern (Micro IT**)**   **April 2025 (1-Month Program)**
- Successfully completed a 4-week program focused on the foundational principles and applications of Artificial Intelligence.

EDUCATION

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

CERTIFICATIONS

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

- **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

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.