Aadil S

DOB - 25 Oct, 2004
aadil12450786@gmail.com | 9345313848 | LinkedIn: Aadil S

EDUCATION

SRM Institute of Science and Technology
Bachelor of Technology (B.Tech) in Computer Science and Engineering (CSE)
Expected Grad: May 2026 | Trichy, Tamilnadu
(IV th SEM) CGPA: 8.87 / 10

SOUNDARARAJA VIDYALAYA
PCM With Biology
Grad: May 2022 | Dindigul, Tamilnadu

LINKS

Github: Aadil S
LinkedIn: Aadil S

COURSEWORK

UNDERGRADUATE
Data Structure and Algorithms
Design and Analysis and Algorithm
Artificial Intelligence
Computer Organization and Architecture
Operating Systems
Database Management Systems
Machine Learning

SKILLS

PROGRAMMING
- Intermediate: **Python**
- Intermediate: **C**
- Intermediate: **Java Script**
- C++
- HTML, CSS
- React

TOOLS
- Linux
- Windows
- Git

OTHERS
- Software Design
- Mobile Development
- Algorithms
- Machine Learning
- Natural Language Processing
- Problem Solving
- My SQL
- public Speaking

EXPERIENCE

RESEARCH WORK | Smart Irrigation Using IoT
Apr 2024 - Present | Trichy, Tamilnadu
- Conducted research on Smart Irrigation using IoT.
- Integrated a Turbidity Sensor to measure water clarity.
- Implemented machine learning techniques for predicting water requirements based on weather data.

HACKATHON | Alternative to Traditional OTP for Financial Authentication
May 2024 – May 2024 | Trichy, Tamilnadu
- Developed a biometric and facial recognition solution for authentication.
- Proposed the use of Hardware Tokens for added security.

CODING COMPETITIONS   Jan 2024 – Apr 2024
- Participated in various coding events, developing frameworks and solutions.
- Developed and deployed a Backbone.js-inspired framework tailored for the Captions editor, leading to a 50% increase in editing efficiency

PROJECT EXPO | Eye-Tracking Mouse Control: Python
Mar 2024 | Trichy, Tamilnadu
- Developed a system for controlling the mouse pointer using eye movements.
- Proficient in OpenCV for image processing and Dlib for facial and eye landmark detection.
- Enhanced understanding of computer vision applications.
- Ability to design and implement innovative solutions for accessibility and user interaction.

PROJECTS

HOSPITAL MANAGEMENT SYSTEM IN DBMS | MySQL | XAMPP
Apr 2024 | Trichy, Tamilnadu
- Developed a Hospital Management System (HMS) using DBMS to streamline operations and improve patient care.
- Created user interfaces with HTML, CSS, and JavaScript.
- Proficient in creating user interfaces with HTML, CSS, and JavaScript.

EYE-TRACKING MOUSE CONTROL | Python
Oct 2023 | Trichy, Tamilnadu
- Developed a functional prototype for controlling the mouse via eye movements.
- Skills in Python libraries: OpenCV, Dlib, PyAutoGUI, Numpy.
- Enhanced understanding of computer vision and its practical applications in real-time systems.
- Fostered a collaborative team environment that encouraged innovation and problem-solving.

ACHIEVEMENTS

Date	Source	Description
Jul 2023	NPTEL	Cyber Security and Privacy
Dec 2023	E-Quiz	Tech Club, SRM IST
Aug 2023	LinkedIn	Google Cloud Developer and DevOps Tools
Aug 2023	LinkedIn	Python Object-Oriented Programming