Akshay R

✉ akshayrajan345@gmail.com

📞 9446739185   📍 Trivandrum, Kerala

○ akshay-rajan   in iamakshayrajan

EDUCATION

Master of Computer Application,
College of Engineering, Trivandrum
2023 – present
93.6%

BSc Mathematics,
University College, Trivandrum
2020 – 2023
96.3% (Core)

Higher Secondary,
St Joseph's HSS, Trivandrum
2018 – 2020
94%

CERTIFICATES

CS50W ⊡
Web Programming with Python and
JavaScript, Harvard University

**Programming, Data Structures and
Algorithms in Python** ⊡
CMI, IIT Madras (Score: *85%*)

Google Cybersecurity Professional ⊡
8 Courses completed

CS50X ⊡
Harvard's Introduction to Computer Science

ACHIEVEMENTS

College Topper
University College, Trivandrum

Kerala MCA Entrance
Rank 20

IIT JAM
AIR 1778, Mathematical Sciences

INTERESTS

Competitive Programming, *LeetCode* ⊡
Solved 200+ Problems

Cybersecurity, *TryHackMe* ⊡
Completed 10+ rooms

PROFILE

A focused, self-motivated and organized computer science enthusiast proficient in programming and web development, pursuing opportunities to solve real-world challenges and make a meaningful impact to the field of technology.

Keen to expand skills and gain professional development experience in a diverse and inclusive environment. Adept at working in fast-paced settings that demand strong problem-solving abilities.

SKILLS

Django • Python • C • Java • Flask • JavaScript • PHP • HTML • CSS • SQL • MySQL • MongoDB • DSA • Bootstrap • Mathematics • Github • Linux • Cybersecurity • Machine Learning • Haskell • LaTeX • Web Scraping • MS Excel • Networking

PROJECTS

DeviceDash, *A smartphone recommendation website designed to simplify the daunting task of choosing a smartphone, significantly reducing the time required for an average person by 90%.* ⊡
- Built using Django and Web Scraping Techniques (BeautifulSoup).
- Implemented an API to connect the website to *gsmarena.com*

Timer for Chrome, *A Chrome Extension using JavaScript, designed to track time during browsing or tests, boosting focus and time management skills of an individual by 2x.* ⊡
- Enhanced proficiency in DOM manipulation, Event Handling, asynchronous operations
- Studied chrome extension architecture, including background scripts, content scripts and popup pages

Numerical Methods And Their Implementation Using Python, *Graduation Project showcasing the integration of mathematics and computer programming.* ⊡
- Utilized Bisection, Iteration, Interpolation etc. to solve intricate numerical problems, such as solving algebraic, transcendental and differential equations.
- Addressed mathematical problems with real world applications, 1000 times faster than traditional methods with the help of programming.

Personal Website, *Built using HTML, CSS and JavaScript, exhibiting skills in front-end web development.* ⊡
- Hosted on Github Pages
- Leveraged JavaScript and JQuery to animate, along with CSS and Bootstrap to style

ACTIVITIES

TinkerHub, *Member*
Technical Skills Enhancement Club

Unimath Forum, *Secretary*
Maths Club

Student Police Cadet, *Member*