Raahim Irfan <small>raahim.me</small>

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Looking for: AI, Backend, DevOps, Product Management Internships with a focus on scalable systems & real-world impact.

EDUCATION

FAST National University of Computer & Emerging Sciences	**Karachi, PK**
BS in Computer Science	August 2023 – June 2027
Sceptre College	**Karachi, PK**
GCE A Levels in Mathematics, Physics, Chemistry, Computer Science, Further Mathematics	August 2021 – June 2023

SKILLS & INTERESTS

Languages: Python, JavaScript, TypeScript, HTML, CSS, SQL, Bash, Shell, YAML, JSON, Markdown, LaTeX
Frameworks: ReactJS, NextJS, ExpressJS, JWT, Jest, Django, FastAPI, Flask, Pandas, NumPy, React Native, Flutter
Tools & DB: MongoDB, PostgreSQL, Git, Docker, AWS, Vercel, Heroku, WordPress, Postman, Selenium, Slack, Asana
Interests: AI, Backend, Open Source, DevOps, Refactoring, QA, Automation, Agile, API Docs, Serverless, Cloud, CI/CD

WORK EXPERIENCE

OPEN Silicon Valley — **Remote, US**
Website Operations Coordinator — February 2024 – Present

- Designed & deployed the SYNERGY 2025 event landing page using React 19, Next.js 15, TypeScript, Tailwind v4, shadcn/ui, leveraging server-side rendering & static optimization on Vercel for fast load times and a seamless experience.
- Integrated analytics and performance monitoring tools to ensure responsiveness and optimal speed across all devices.
- Maintained forums.opensv.org, aligning updates with Figma designs to ensure brand consistency and user experience.

E.ocean Developers Day 2025 - ACM NUCES — **Karachi, PK**
Executive, Team Automation — March 2025 – April 2025

- Developed a Flutter app feature enabling Participant Relations to update competition timings dynamically for attendance.
- Modified & executed bulk email dispatch script with updated content, supporting timely communication with attendees.
- Built, deployed & stress-tested React + Vite-based certificate generator, issuing 700+ certificates in real-time post-event.
- Engineered a logging utility and monitoring dashboard to track performance, awarded 'Star Performer' for contributions.

FAST NU Smart Video Surveillance Laboratory — **Karachi, PK**
Software Engineering Intern — June 2024 – December 2024

- Led backend for AI travel guide app using Django, built REST APIs, integrated Cohere to generate itinerary plans with structured JSON, factoring in preferences and returning Canadian point-of-interest details from a curated attractions data.
- Deployed MVP on AWS EC2 with Nginx, added logging & monitoring, and supported React Native integration with APIs.
- Supported a participating team in MediaEval, using OpenAI's CLIP to explore image-text relationships in news articles; ran structured experiments, fine-tuned hyperparameters, conducted evaluations & collaborated with PhD researchers.

Sastaticket.pk — **Karachi, PK**
Software Engineering Intern — January 2024 – January 2024

- Worked closely with an engineering manager, gaining mentorship & hands-on experience in Django best practices.
- Strengthened problem-solving skills by solving curated LeetCode challenges, focusing on algorithms & efficient coding.
- Built a basic Django CRUD app & documented endpoints using Swagger, reinforcing core concepts of RESTful API design.
- Gained practical exposure to industry-standard software development workflows and Pythonic coding approaches.

Alt Academy — **Karachi, PK**
Content Associate for Computer Science — July 2023 – August 2023

- Managed a database of subtopics, learning outcomes, and objectives (PLOs) in Google Sheets for course curation.
- Provided academic support by responding to student inquiries on the community platform promptly and effectively.
- Aligned lecture content with the official CAIE CS (9618) syllabus to maintain consistency & support effective teaching.
- Collaborated closely with the team on Notion & Slack to streamline and further optimize course content development.

PROJECTS

Synergy 2025 Landing Page - OPEN Silicon Valley — `forums.opensv.org`
Designed and developed a responsive high-performance landing page for Synergy 2025 using React, Next.js, TypeScript, and Tailwind, with automatic static optimization and server-side rendering for optimal speed and user experience.

DevDay Certificate Generator - ACM NUCES — `automation.devday25.com`
Deployed and stress-tested a React + Vite-based web app to issue over 700 certificates in real-time post-event, with a custom logging utility and monitoring dashboard to track performance and ensure system reliability during high traffic loads.

Turing Machine Based Anagram Checker — `github.com/raahimirfan100/Turing-Machine-Anagram-Simulator`
Developed a Turing Machine anagram checker using Python and PyQt5, featuring both GUI and CLI interfaces. Implemented state transitions, tape manipulation, and step-by-step visualization to effectively demonstrate the algorithm's process.