

Manan Ahuja

📍 Tampa, Florida ✉ manan.10ahuja@gmail.com ☎ 6693026033 💻 in/mananahuja 🌐 <http://manan-portfolio.s3-website-us-east-1.amazonaws.com/>

EDUCATION

Bachelor of Science in Computer Science

Minor in Entrepreneurship and Innovation engineering • University of South Florida • Tampa, FL • 2024 • 3.37

EXPERIENCE

Software Engineering Intern

Mphasis Limited

June 2023 - July 2023, Bangalore, India (Remote)

- Spearheaded the deployment of intricate applications via Kubernetes, Docker, AWS EC2 instances, and CI/CD servers, ensuring flawless execution.
- Optimized network services, significantly minimizing downtime by implementing efficient host IP allocation on AWS EC2 and Route53.
- Played an integral role in developing software and pipelines using Django(Python), APIs, and Jenkins.

Systems Engineering Intern

Elite Quad Core Solutions LLC

June 2022 - August 2022, New York, NY (Hybrid)

- Expertly configured over 5 Cisco firewalls, reinforcing network security through SSL decryption, ensuring seamless and protected access.
- Collaborated closely with 2+ key client to tailor SSL decryption solutions for Palo Alto two-ethernet port firewalls, enhancing security measures.
- Streamlined data operations by seamlessly integrating diverse systems, enabling the generation of comprehensive analytical, and quality reports.

PROJECTS

Microservices in Python

Personal • <https://github.com/mananahuja/Microservices-in-python> • August 2023 - Present

- Engineered Django microservices, harnessing 5+ Google APIs (reCaptcha, Places, Distance Matrix, Geocoding) for a robust navigation web app.
- Orchestrated full-stack development, merging Python(Django), HTML, CSS, JavaScript, AJAX and jQuery for a seamless and dynamic user experience.
- Elevated efficiency with AWS EC2 and Kubernetes, enabling dynamic scaling, load balancing, and high-performance hosting.

BJK Designs Wix E-commerce store

Freelance • July 2023 - August 2023

- E-commerce Platform: Developed a dynamic Wix-based website for BJK Designs Pvt Ltd, showcasing their exquisite home decor and furniture products.
- Stunning Visuals: Integrated high-resolution images and immersive galleries to highlight the intricate craftsmanship and design details of BJK's products.
- Seamless Shopping Experience: Implemented user-friendly navigation, a secure checkout process, and personalized recommendations to enhance customer engagement and conversion rates.

Personal portfolio

Personal • June 2023 - June 2023

- Leading the website development project utilizing HTML, JS, CSS, and Bootstrap to create an engaging and responsive user interface.
- Collaborating with the team to design and implement innovative features and functionalities, ensuring seamless navigation and optimal user experience.
- Employing best practices in coding, testing, and debugging to deliver a high-quality, visually appealing website that aligns with client requirements.

Scalable Reddit Clone Deployment on AWS

Personal • May 2023 - May 2023

- Orchestrated Reddit clone deployment on AWS EC2 with CI/CD, Minikube, Docker containers, and Ingress, ensuring seamless scalability.
- Spearheaded CI/CD server and DockerHub utilization, reducing environment downtime by 75% and optimizing network efficiency.
- Showcased mastery of AWS infrastructure, container management, and network optimization for efficient application deployment.

Online Enterprise Management System

Personal • March 2023 - April 2023

- Pioneered the creation of a comprehensive CRUD enterprise management system from the ground up, integrating MySQL, React, Node, Spring Boot, and REST API with meticulous ER diagram design.
- Crafted a robust database with a minimum of 3 relations, providing versatile support for 8 query types via text and web-based interfaces.
- Spearheaded the seamless integration of JDBC, ensuring the system's reliability and data accessibility, with 1000+ data entries.

CERTIFICATIONS & SKILLS

Awards & Certifications: AWS Cloud Practitioners (AWS CLF-C01), Oracle SQL (1Z0-071), USF Green & Gold Scholarship

Technical Skills: C++, Java, JavaScript, Node, Spring Boot, MySQL, PL/PG SQL, React, Vue, CSS, SQL, HTML, Python, C, Swift, dockers, YAML, Linux(Ubuntu), MongoDB, Powerpoint, Excel
