

SYED SOHAIL MEHMOOD

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EXPERIENCE

Research Intern @ RNSIT — *Deep Learning, Python, Data Analysis* Oct 2024 – May 2025

- Developed **3 CNN models** for AI-based crop disease detection, increasing accuracy by 15% over baseline.
- Optimized model workflows with faculty, achieving **92%** validation accuracy on test data.

EDUCATION

RNS Institute of Technology - Visvesvaraya Technological University CGPA (8.8)
Bachelor of Engineering in Computer Science and Data Science (2021-2025)
Relevant Coursework: Data Structures and Algorithms, Database Management Systems, Operating Systems, Computer Networks, Object-Oriented Programming, Cloud Computing

TECHNICAL SKILLS

Frontend :	React.js, Next.js, TypeScript, Tailwind CSS, Bootstrap
Backend :	Node.js, Express.js, REST APIs, SpringBoot, JWT Authentication
Databases :	MySQL, PostgreSQL, MongoDB
Languages :	JavaScript, Java, Python, C++
Tools & Platforms :	AWS , Docker, Kubernetes, GitHub Actions, Git, CI/CD pipelines
Core Areas :	Full Stack Development, API Design, Authentication & Authorization, Deployment

PROJECTS

MasyncAI — *React, Express, TypeScript, Tailwind, Framer Motion, Gemini LLM, WebContainer* [View Live](#)

- Built an AI platform converting **prompts** into **websites**, reducing development effort by 90%.
- Integrated **StackBlitz WebContainer** for in-browser code execution, boosting efficiency by **2x**.
- Enabled project export through **ZIP**, supporting downloads by over 50 developers.
- Structured project workflow, improving onboarding speed by **70%** and enabling team collaboration.

Scalable URL Shortener — *Spring Boot, AWS Lambda, DynamoDB, ReactJS* [View Live](#)

- Developed a **serverless URL shortener** handling **10K+ unique URLs** using Spring Boot and AWS Lambda.
- Built a lightweight **React** frontend with **API Gateway**, enabling less than 500ms redirection time.
- Optimized **DynamoDB** storage, reducing query latency by **60%** and supporting high concurrency traffic.
- Maintained 99.9% uptime with sub-millisecond responses for frequent lookups across devices, ensuring high availability, low latency, and seamless user experience.

Valeo — *Next.js, TypeScript, BrightData, Cheerio, MongoDB* [View Live](#)

- Engineered a web scraper for **1,000+ Amazon products** with **95% extraction accuracy**.
- Automated **500+ daily scans** via **Cron Jobs**, reducing manual monitoring time by 80%.
- Created analytics dashboards tracking **10+** product categories, enabling data-driven pricing decisions.
- Implemented an email alert system boosting engagement by **30%**, notifying users on **40% price drops** to drive timely actions and improve retention.

CERTIFICATIONS

AWS Academy Cloud Foundations [View Certificate](#)
- Successfully completed training in AWS core services, cloud architecture, and serverless concepts.

GitHub Foundations [View Certificate](#)
- Earned certification in GitHub workflows, version control, and collaboration.

EXTRACURRICULAR

- Active Participant in Javafest, Solana, and W3 Summit:** Collaborated with peers to address technical challenges, fostering a spirit of innovation and teamwork within the tech community.