

RISHABH SHARMA

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EDUCATION

B.Tech in Computer Science Engineering, Vellore Institute Of Technology	8.79 (CGPA)	2021 - 2025
Higher Secondary Education, Govt Model School (CBSE) , Chandigarh	87.4 %	2020 - 2021
Secondary Education, Mount Carmel School (CBSE) , Chandigarh	91.6 %	2018 - 2019

SKILLS AND CERTIFICATIONS

Certifications :	AWS Cloud Practitioner
Programming Languages :	Java, JavaScript, Typescript
Web Development :	HTML, CSS, React.Js, Node.Js, Express.Js
Databases :	SQL, MongoDB
Tools & Operating Systems :	Linux ,Git ,GitHub
Course Work:	Computer Networks, Object Oriented Programming and Operating System

INTERNSHIP EXPERIENCE

EMITENCE REALTY AND DEVELOPERS LLP.

Mumbai, India

Full Stack Web Developer

May 2023 - August 2023

- Transformed the company's slow (load time of 5 - 6 seconds) and outdated WordPress website into a high-performance and modern React-based website using google lighthouse.
- Significantly decreased the load time of the website by an impressive 60 percent.
- Designed and implemented an intuitive admin page allowing non-technical employees to easily add and manage 50+ blog posts and make real-time changes to the website

UNIVERSITY PROJECTS

S3RVER

June 2024 - Ongoing

- Designed and developed a cutting-edge platform simplifying deployment processes for novice react developers.
- Engineered for reliability and increase in operational efficiency, leading to significant improvements in simplification of web application deployment.
- Steered a **microservices architecture** dividing the application into 3 components: upload server, deployment server, and request handler, resulting in significant reduction in deployment time.
- Tech Stack - AWS S3, Linux , ReactJs, TypeScript , NodeJs , ExpressJs , Git**

MRI-ACLE MIND

January 2024 - March 2024

- Pioneered a state-of-the-art model for diagnosing Alzheimer's disease, achieved an accuracy of 94.8 percent.
- Incorporated a **Spatial Attention mechanism** and **Atrous Convolutional Neural Network** to effectively detect 3 levels of features - low, mid, and high level.
- Achieved a 7.8% improvement in overall accuracy over standard CNN models through three ablation studies, leading to the final optimized model.
- Proudly presented this work at the 15th ICCNT (IEEE) Conference at the prestigious IIT Mandi.
- Tech Stack - OpenCV, Python, ReactJs, NodeJs, ExpressJs , Git**

CROP-HECY

September 2023 - January 2024

- Devised a machine learning-based crop recommendation system achieving 93% accuracy, trained on a dataset of 6,000 agricultural records.
- Used 7 different environmental parameters, including pH levels, NPK values for crop prediction.
- Utilized reusable components for efficient code management using React.js, orchestrated routing strategies, executed authentication protocols to guarantee fortified user access security and integrated a robust ML model
- Introduced **multilingual functionality** (3 languages) improving user accessibility.
- Tech Stack - ReactJs, NodeJs, MongoDB, Python (Flask) , Git**

ACHIEVEMENTS AND ADDITIONAL INFORMATION

Achievements: Ranked among top 1 percent out of 23872 qualified students for NPTEL Cloud Computing Certification

Hobbies: Gardening (Bonsai) , Fitness activities.

Languages: English, Hindi