

# MOULEESWARAN P

## Software Engineering Intern | Full Stack Developer

moulee201@gmail.com | +91 6380090174 | linkedin.com/in/moulee25/ | github.com/MOULEESWARAN-25 | moulee-portfolio.vercel.app/

### Education

Bannari Amman Institute of Technology, Erode, Tamil Nadu  
Computer Science and Engineering

2023 – 2027  
CGPA: 8.3/10

### Work Experience

#### Software Engineering Intern

EQ-REV | Hybrid | March 2025 - May 2025

#### Shopify Collection Optimization App

- Engineered a **Shopify-native app** built with **Remix.js** and **GraphQL**, automating merchandising through a **weighted scoring algorithm** that ranks products by sales velocity, variant availability, and real-time inventory.
- Developed dynamic **Best-Seller Boost logic** to down-rank low-stock items (<20%) while promoting products with high size coverage, reducing manual daily sorting efforts by **70%** and maximizing revenue per session.
- Designed a **Polaris-compliant UI** with optimized query performance and load times, driving an **8-12% uplift in conversion rates**.

#### EQ-REV – Official Website Development

<https://www.eqrev.com/>

- Designed and developed EQ-REV's **official website** with a **professional UI**, improving **brand visibility** and **user engagement**.

#### AI Engineering Intern

eGaiSoft | Remote | November 2025 – Present

#### Web-Based Body Measurement Tool

- Developing an **AI microservice** for extracting **body measurements** from 2D images using **pose estimation** and **segmentation**, with **modular Python RESTful APIs** for measurement retrieval.

### Skills

- Programming Languages:** Java, Python, JavaScript (ES6+), C, C++, SQL
- Frontend:** React.js, Next.js, Remix, HTML5, Tailwind CSS, Zustand
- Backend & Databases:** Node.js, Express.js, RESTful APIs, GraphQL, JWT Authentication | MongoDB, MySQL
- AI / ML:** NumPy, Pandas, Hugging Face, LangChain, Scikit-learn, LightGBM
- Cloud & Tools:** GCP, Firestore, Vercel, Docker, MongoDB Atlas | Git, GitHub, Postman, Figma
- Core CS:** Data Structures & Algorithms, OS, DBMS, Computer Networks, OOP

### Projects

#### FinVista | Next.js, MongoDB, LightGBM, Selenium, BeautifulSoup

github.com/MOULEESWARAN-25/Postal-Service

- Developed a **multi-level AI platform (state-to-village)** for India Post that **analyzes demographic and seasonal data** to **forecast economic needs**, **optimize POSB scheme promotion**, and visualize high-potential targets through **interactive dashboards**.
- Automated **field operations** by building a **web scraping pipeline** for event discovery and Mela planning, and deploying a **RAG-based AI assistant** and **gamified task tracker** to reduce manual effort and increase scheme enrollment rates.

#### VanAdhikar | OCR, NER, Next.js, Leaflet, LightGBM, Prophet, LangChain, LLM

github.com/MOULEESWARAN-25/VanAdhikar

- Architected a **centralized RAG-based repository** leveraging **OCR and NLP** to digitize handwritten land records, reducing **manual retrieval time by 60%** and enabling **instant natural-language eligibility queries** for welfare schemes.
- Built a **WebGIS dashboard** and **deep learning pipeline** to **geofence land parcels** and **identify village assets**, and an **AI-driven DSS** for **FRA claim validation** and **personalized scheme recommendations**, supported by an **automated IVR feedback loop**.

#### Growth Guardian | MongoDB, Next.js, Chart.js, Gemini LLM, TailwindCSS

github.com/MOULEESWARAN-25/GrowthGuardian

- Built an **financial platform** with **asset return forecasting**, a **scam-detection chatbot**, and a **family dashboard** offering **personalized financial education** through interactive modules, a **budget tracker**, **“Debt vs. Invest” calculator**, and **retirement estimator**.

### Achievements

- Participated in over **15+ competitive events** throughout college.
- Finalist at **Smart India Hackathon 2024** (AICTE) and **.hack();25** (Mar Athanasius College of Engineering, Kerala)
- Hack'IT 25** – Winner, National Level Hackathon, Anna University, CEG, Chennai.
- Nexathon'25** – Best Business Pitch Award, Nationwide Hackathon, KCG College of Technology, Chennai.
- Solved 750+ Data Structures and Algorithms problems** across LeetCode, HackerRank, GeeksforGeeks, and Code360.