

# Ayush Soam

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## Experience

### Neuralens AI

Software Development Intern

May 2025 - Present

Gurugram, Haryana

- Engineered a Retrieval Augmented Generation (RAG) pipeline with optimized chunking, embedding, and vector search strategies for high precision knowledge based responses
- Leveraged FastAPI to create a scalable backend implementing Tool Calling for Agentic workflows when calling API to LLMs via LangChain.
- Created a Data Analytics pipeline feeding events to BigQuery via microservices to support real time analytics and creating a Shopify Admin Dashboard by leveraging another microservice to aggregate the data on a 4 hour rolling basis.

### rtCamp Solutions Private Limited

Associate Software Engineer

Jan 2025 - Apr 2025

Remote, India

- Designed high-performance WordPress plugins by enforcing strict coding conventions, validation, sanitization and PHPCS standards, achieving a 25% improvement in performance and maintainability.
- Created robust WP-CLI commands that optimized batch processing for large data exports, increasing efficiency by 30% and streamlining data management for custom post types in multiple formats.
- Created a responsive and accessible UI following optimal design approaches for frontend achieving 95% accuracy on playwright tests.

### MAROFA

Freelance Software Developer

Oct 2023 - Dec 2023

Remote, Saudi Arabia

#### MVP

- Spearheaded the initial development phase, delivering high-quality software on time. Worked on accessibility enhancements, boosting the platform's WCAG compliance score to over 90%.
- Implemented SEO strategies to optimize load times, also used TanStack when sending request to server to cache the request hence optimizing Lighthouse performance by 35%.

## Education

### VELLORE INSTITUTE OF TECHNOLOGY, Vellore

Computer Science Engineering

Cumulative CGPA: 8.64

Aug 2021 - Jul 2025

Bachelors in Technology

Relevant Coursework: Data Structures and Algorithm, Software Engineering; Operating Systems, DBMS

## Projects

### EXPENSE ATLAS: A SMART TRACKER ENGINEERED BY MERN STACK

Oct 2024

#### [Github](#)

- Engineered a MERN stack architecture to effortlessly track, categorize, and visualize user expenses in real-time, ensuring full control over their financial health. Leveraged TailWindCSS to create intuitive UI/UX.
- Integrated JSON Web Token (JWT) authentication, safeguarding user data and reducing vulnerability to cross-site scripting attacks by 90%, ensuring secure user experience and instilling confidence in the platform.

### MESSENGER YUSHI: EMPOWERING SEAMLESS PRIVATE CONVERSATIONS

Jul 2024

#### [Github](#)

- Designed a distinctive custom logo and an original UI model, significantly elevating brand identity and user experience, leading to an increase in customer retention rate by 40%.
- Architected a scalable, serverless infrastructure using the full Firebase suite (Auth, Firestore, Cloud Functions, Hosting), ensuring high availability and performance; implemented Redux for robust client-side state management.

## Skills

ReactJS, HTML, CSS, Javascript, Typescript, Redux, Front End Development, C++, Java, Python, PHP, Data Structures and Algorithms, NodeJS, MySQL, DBMS, Postgres SQL, Docker., Excel

Google Cloud Platform, AWS, OOPs, MERN, NGINX, Git, DevOps.  
Technologies

## Certifications

Full Stack Development, Introduction to DevOps, Google Cloud Digital Leader

[Link](#)