

Ashik Mysore Padmanabha

Full Stack Software Engineer

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PROFESSIONAL EXPERIENCE

SHELL INDIA PVT LTD

Bangalore, IN

Software Engineer

Aug 2022 - Sep 2023

- Developed web tools to streamline incident workflows, reducing manual effort and improving resolution accuracy.
- Built automation scripts using **Python** and **Power Automate**, cutting Mean Time to Respond (MTTR) by 35%.
- Designed scalable backlog-processing scripts in **Python** & **VBScript**, reducing system latency by 75%.
- Engineered custom **SQL** pipelines from multiple sources for dashboard insights used across operational teams.
- Built internal tools using **HTML**, **CSS**, **JavaScript**, **ReactJS**, and Power Apps, improving team adoption and tool usability by 40%.

SOFTWARE AG

Bangalore, IN

Machine Learning Engineer Intern

Feb 2022 - July 2022

- Designed and deployed enterprise Knowledge Graphs using **Neo4j** & **ArangoDB**, reducing NLP overhead by up to 50%.
- Built POS taggers with **spaCy** for customer queries, improving processing accuracy in chatbot pipelines.
- Integrated CI/CD test suites using **Jenkins**, **JMeter**, and **GitHub Actions** to ensure robust model deployment.
- Managed sprint workflows via **JIRA**, coordinating with QA and Dev teams for debugging and delivering fixes efficiently.

PANASONIC INDIA PVT LTD

Bangalore, IN

Data Science Intern

Feb 2021 - April 2021

- Analyzed **6 GB+** of cloud-stored AC data using **Pandas**, **NumPy**, and **Dask** to uncover usage patterns and behavioral insights, supporting actionable product decisions.
- Conducted large-scale data preprocessing and visualization with **Matplotlib** and **Dask**, reducing data volume by 45% while retaining essential insights for performance evaluation.
- Generated comprehensive visual reports and trend analyses, guiding data-driven improvements in AC efficiency and future product design.

EDUCATION

UNIVERSITY OF CALIFORNIA, RIVERSIDE

Master's Degree, Major in Computer Science (3.8 GPA)

Riverside, CA, USA

2023 - 2025

RAMAIAH INSTITUTE OF TECHNOLOGY

Bachelor of Engineering, Major in Computer Science (3.6 GPA)

Bangalore, IN

2018 - 2022

PROJECTS

Social Connect Platform (GCP, Golang, Firebase, NextJS) | [GitHub](#) | [Website](#)

- Built a full-stack social media app using **Next.js** & **Firebase**, featuring auth, real-time notifications, and search.
- Developed Golang-based REST APIs, enabled to handle 100+ requests per second, and deployed on **Google App Engine** for seamless scalability.

WhisperWave Chat System (Golang, AWS, RabbitMQ, WebSockets) | [GitHub](#)

- Created a real-time chat app leveraging Golang concurrency for private/group messaging & **WebSockets**.
- Integrated **AWS DynamoDB** for message persistence and **RabbitMQ** for message brokering, achieving message delivery latency <1 ms and ensuring high throughput under concurrent user loads.

PolyGrid: Distributed Streaming System (gRPC, Protobuf, Golang, NodeJS, Python) | [GitHub](#)

- Implemented a microservices-based PoC using **Kafka** & **gRPC** for efficient inter-service communication.
- Delivered 3 primary services: producer, consumer, and analytics services to process and analyze real-time data.

Anime Search Index Engine (Python, Golang, NextJS, GraphQL) | [GitHub](#) | [Website](#)

- Built a search index for anime/manga database using **MongoDB Atlas** with 100K+ entries, enabling fuzzy search.
- Automated updates using GitHub Workflows, ensuring real-time data refresh.

TECHNICAL SKILLS

- Languages:** C, C++, C#, Java, Python, Golang, JavaScript, TypeScript, HTML, CSS, SQL.
- Tools, Frameworks, and Libraries:** ReactJS, NextJS, NodeJS, Spring Boot, Django, Bootstrap, TailwindCSS, MongoDB, Docker, Kubernetes, Amazon Web Services, Google Cloud Platform, Firebase, Scikit-Learn, Pandas, Matplotlib, Git & GitHub, Co-pilot, OpenAI API suite.